AI: 1592

WQR removed - RCG

Quarterly Report

For

Division of Waste Management

Friday, January 15th, 2016

Submitted by:

Green Valley Landfill General Partnership

a subsidiary of

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

RECEIVED
JAN 19 2016
DIVISION OF WASTE MANAGEMENT
SOLID WASTE BRANCH

A. Green Valley Landfill General Partnership

Greenup County
#045-00012

I. Construction Activities

Fetters, Deretha

From: Chlebowy, William
Sent: Friday, January 15, 2016 6:43 AM
To: Fetters, Deretha
Cc: Cecil, Kim
Subject: RE: Any construction activities for the 4th qrt 2015?

Expansion of maintenance building, site work for new offices.

Sent via the Samsung Galaxy S™ III, an AT&T 4G LTE smartphone

-------- Original message --------
From: "Fetters, Deretha"
Date:01/15/2016 6:33 AM (GMT-05:00)
To: "Chlebowy, William"
Cc: "Cecil, Kim"
Subject: Any construction activities for the 4th qrt 2015?

REPUBLIC SERVICES

We'll handle it from here.™

D-Ann Fetters, Scales/Green Valley

Landfill

1551 Green Valley Dr, Ashland KY 41102

PO Box 9, Rush KY 41168

E dfetters@republicservices.com

P 606-928-0239 F 606-928-0368

republicservices.com

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

III. Cover Requirements

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

Republic Services

Monthly Soil Tracking Report

Site: Green Valley Landfill Div No. 4127

Date of Month	Soil Hauled (in Bank Cubic Yards): Daily Cover	Int. Cover	Interior Roads inside Waste Footprint	Other Soil Not placed in Waste Footprint	Certified Final Cover	Airspace Consumed by Clean Soil	Airspace Consumed by Non UOC ADC waste	Total Soil Hauled	Waste Received (tons): UOC Charged gate tons	Non UOC gate tons used as ADC	Waste Relocated (cy)	Cover Percentages: Clean Soil daily & intermediate cover percentage	Effective Total Cover Percentage (Includes Non UOC ADC)	Any other ADC used (tarp or spray) (Y or N)?	Site Operational Density (lb/cy)	Comments
10/1/2015	0	0	0	0	0	0	0	0	1,788			0.0%	0.0%	y	1,714	TARP OR SOIL
10/2/2015	0	0	0	0	0	0	0	0	2,272			0.0%	0.0%	y	1,714	TARP OR SOIL
10/3/2015	0	0	0	0	0	0	0	0	134			0.0%	0.0%	y	1,714	TARP OR SOIL
10/4/2015	0	0	0	0	0	0	0	0							1,714	
10/5/2015	0	0	0	0	0	0	0	0	1,711			0.0%	0.0%	y	1,714	TARP OR SOIL
10/6/2015	0	0	0	0	0	0	0	0	1,385			0.0%	0.0%	y	1,714	TARP OR SOIL
10/7/2015	22	0	0	0	0	22	0	22	1,847			1.0%	1.0%	y	1,714	TARP OR SOIL
10/8/2015	0	110	0	0	0	110	0	110	1,870			5.0%	5.0%	y	1,714	TARP OR SOIL
10/9/2015	0	0	0	0	0	0	0	0	2,053			0.0%	0.0%	y	1,714	TARP OR SOIL
10/10/2015	0	0	0	0	0	0	0	0	287			0.0%	0.0%	y	1,714	TARP OR SOIL
10/11/2015	0	0	0	0	0	0	0	0							1,714	
10/12/2015	0	0	0	0	0	0	0	0	2,157			0.0%	0.0%	y	1,714	TARP OR SOIL
10/13/2015	0	0	0	0	0	0	0	0	1,749			0.0%	0.0%	y	1,714	TARP OR SOIL
10/14/2015	0	0	0	0	0	0	0	0	1,504			0.0%	0.0%	y	1,714	TARP OR SOIL
10/15/2015	0	0	0	0	0	0	0	0	1,649			0.0%	0.0%	y	1,714	TARP OR SOIL
10/16/2015	0	0	0	0	0	0	0	0	1,457			0.0%	0.0%	y	1,714	TARP OR SOIL
10/17/2015	0	0	0	0	0	0	0	0	103			0.0%	0.0%	y	1,714	TARP OR SOIL
10/18/2015	0	0	0	0	0	0	0	0							1,714	
10/19/2015	0	0	0	0	0	0	0	0	966			0.0%	0.0%	y	1,714	TARP OR SOIL
10/20/2015	0	0	0	0	0	0	0	0	1,620			0.0%	0.0%	y	1,714	TARP OR SOIL
10/21/2015	0	0	0	0	0	0	0	0	911			0.0%	0.0%	y	1,714	TARP OR SOIL
10/22/2015	0	0	0	0	0	0	0	0	798			0.0%	0.0%	y	1,714	TARP OR SOIL
10/23/2015	0	0	0	0	0	0	0	0	826			0.0%	0.0%	y	1,714	TARP OR SOIL
10/24/2015	0	0	253	0	0	253	0	253	130			166.8%	166.8%	y	1,714	TARP OR SOIL
10/25/2015	0	0	0	0	0	0	0	0							1,714	
10/26/2015	0	209	0	0	0	209	0	209	966			20.7%	20.7%	y	1,714	TARP OR SOIL
10/27/2015	0	0	0	0	0	0	0	0	776			0.0%	0.0%	y	1,714	TARP OR SOIL
10/28/2015	0	0	0	0	0	0	0	0	889			0.0%	0.0%	y	1,714	TARP OR SOIL
10/29/2015	88	0	0	0	0	88	0	88	833			9.1%	9.1%	y	1,714	TARP OR SOIL
10/30/2015	0	0	0	0	0	0	0	0	791			0.0%	0.0%	y	1,714	TARP OR SOIL
10/31/2015	0	0	0	0	0	0	0	0	167			0.0%	0.0%	y	1,714	TARP OR SOIL
October															1,714	
Year to date																

Note: The soil yards listed above must be in BCY (airspace yards consumed) NOT truck yards. If load counts are used, convert truck yards to airspace yards.

Density of Non UOC ADC (average) 3,000 lb/cy

Yellow boxes require user input

Republic Services

Monthly Soil Tracking Report

Site: Green Valley Landfill Div No. 4127

Date of Month	Soil Hauled (in Bank Cubic Yards)								Waste Received (tons)			Cover Percentages				
	Daily Cover	Int. Cover	Interior Roads inside Waste Footprint	Other Soil Not placed in Waste Footprint	Certified Final Cover	Airspace Consumed by Clean Soil	Airspace Consumed by Non UOC ADC waste	Total Soil Hauled	UOC Charged gate tons	Non UOC gate tons used as ADC	Waste Relocated (cy)	Clean Soil daily & intermediate cover percentage	Effective Total Cover Percentage (Includes Non UOC ADC)	Any other ADC used (tarp or spray) (Y or N)?	Site Operational Density (lb/cy)	Comments
11/1/2015	0	0	0	0	0	0	0	0							1,714	
11/2/2015	66	88	0	0	0	154	0	154	842			14.0%	14.0%		1,714	
11/3/2015	0	132	0	0	0	132	0	132	1,115			10.1%	10.1%		1,714	TARP OR SOIL
11/4/2015	44	44	0	0	0	88	0	88	1,003			7.5%	7.5%		1,714	TARP OR SOIL
11/5/2015	0	0	0	0	0	0	0	0	897			0.0%	0.0%		1,714	TARP OR SOIL
11/6/2015	0	88	0	0	0	88	0	88	713			10.6%	10.6%		1,714	TARP OR SOIL
11/7/2015	0	0	0	0	0	0	0	0	297			0.0%	0.0%		1,714	TARP OR SOIL
11/8/2015	0	0	0	0	0	0	0	0							1,714	
11/9/2015	0	0	0	0	0	0	0	0	785			0.0%	0.0%		1,714	TARP OR SOIL
11/10/2015	0	0	0	0	0	0	0	0	926			0.0%	0.0%		1,714	TARP OR SOIL
11/11/2015	0	0	0	0	0	0	0	0	1,010			0.0%	0.0%		1,714	TARP OR SOIL
11/12/2015	0	0	0	0	0	0	0	0	968			0.0%	0.0%		1,714	TARP OR SOIL
11/13/2015	0	0	0	0	0	0	0	0	1,744			0.0%	0.0%		1,714	TARP OR SOIL
11/14/2015	0	0	0	0	0	0	0	0	243			0.0%	0.0%		1,714	TARP OR SOIL
11/15/2015	0	0	0	0	0	0	0	0							1,714	
11/16/2015	0	0	0	0	0	0	0	0							1,714	
11/17/2015	0	0	0	0	0	0	0	0							1,714	
11/18/2015	0	0	0	0	0	0	0	0							1,714	
11/19/2015	0	0	0	0	0	0	0	0							1,714	
11/20/2015	0	0	0	0	0	0	0	0							1,714	
11/21/2015	0	0	0	0	0	0	0	0							1,714	
11/22/2015	0	0	0	0	0	0	0	0							1,714	
11/23/2015	0	0	0	0	0	0	0	0							1,714	
11/24/2015	0	0	0	0	0	0	0	0							1,714	
11/25/2015	0	0	0	0	0	0	0	0							1,714	
11/26/2015	0	0	0	0	0	0	0	0							1,714	
11/27/2015	0	0	0	0	0	0	0	0							1,714	
11/28/2015	0	0	0	0	0	0	0	0							1,714	
11/29/2015	0	0	0	0	0	0	0	0							1,714	
11/30/2015	0	0	0	0	0	0	0	0							1,714	
November															1,714	
Year to date															1,714	

Note: The soil yards listed above must be in BCY (airspace yards consumed) NOT truck yards. If load counts are used, convert truck yards to airspace yards.

Density of Non UOC ADC (average) 3,000 lb/cy

Yellow boxes require user input

12/1/15

Republic Services

Monthly Soil Tracking Report

Site: Green Valley Landfill Div No. 4127

Date of Month	Soil Hauled (In Bank Cubic Yards)								Waste Received (tons)			Cover Percentages					
	Daily Cover	Int. Cover	Interior Roads Inside Waste Footprint	Other Soil Not placed in Waste Footprint	Certified Final Cover	Airspace Consumed by Clean Soil	Airspace Consumed by Non UOC ADC waste	Total Soil Hauled	UOC Charged gate tons	Non UOC gate tons used as ADC	Waste Relocated (cy)	Clean Soil daily & intermediate cover percentage	Effective Total Cover Percentage (includes Non UOC ADC)	Any other ADC used (tarp or spray) (Y or N)?	Site Operational Density (lb/cy)	Comments
12/1/2015	0	0	0	0	0	0	0	0	1,172			0.0%	0.0%	y	1,714	TARP OR SOIL
12/2/2015	0	0	0	0	0	0	0	0	1,122			0.0%	0.0%	y	1,714	TARP OR SOIL
12/3/2015	0	0	0	0	0	0	0	0	1,947			0.0%	0.0%	y	1,714	TARP OR SOIL
12/4/2015	0	0	0	0	0	0	0	0	1,343			0.0%	0.0%	y	1,714	TARP OR SOIL
12/5/2015	0	0	0	0	0	0	0	0	240			0.0%	0.0%	y	1,714	TARP OR SOIL
12/6/2015	0	0	0	0	0	0	0	0							1,714	
12/7/2015	0	0	0	0	0	0	0	0	1,298			0.0%	0.0%	y	1,714	TARP OR SOIL
12/8/2015	0	0	0	0	0	0	0	0	981			0.0%	0.0%	y	1,714	TARP OR SOIL
12/9/2015	0	0	0	0	0	0	0	0	843			0.0%	0.0%	y	1,714	TARP OR SOIL
12/10/2015	0	0	0	0	0	0	0	0	776			0.0%	0.0%	y	1,714	TARP OR SOIL
12/11/2015	0	0	0	0	0	0	0	0	754			0.0%	0.0%	y	1,714	TARP OR SOIL
12/12/2015	0	0	0	0	0	0	0	0	169			0.0%	0.0%	y	1,714	TARP OR SOIL
12/13/2015	0	0	0	0	0	0	0	0							1,714	
12/14/2015	0	0	0	0	0	0	0	0	890			0.0%	0.0%	y	1,714	TARP OR SOIL
12/15/2015	0	0	0	0	0	0	0	0	1,070			0.0%	0.0%	y	1,714	TARP OR SOIL
12/16/2015	0	0	0	0	0	0	0	0	1,062			0.0%	0.0%	y	1,714	TARP OR SOIL
12/17/2015	0	0	0	0	0	0	0	0	978			0.0%	0.0%	y	1,714	TARP OR SOIL
12/18/2015	0	0	0	0	0	0	0	0	1,036			0.0%	0.0%	y	1,714	TARP OR SOIL
12/19/2015	0	0	0	0	0	0	0	0	128			0.0%	0.0%	y	1,714	TARP OR SOIL
12/20/2015	0	0	0	0	0	0	0	0							1,714	
12/21/2015	0	110	0	0	0	110	0	110	1,374			6.9%	6.9%	y	1,714	TARP OR SOIL
12/22/2015	0	0	0	0	0	0	0	0	1,261			0.0%	0.0%	y	1,714	TARP OR SOIL
12/23/2015	0	0	0	0	0	0	0	0	990			0.0%	0.0%	y	1,714	TARP OR SOIL
12/24/2015	0	0	0	0	0	0	0	0	523			0.0%	0.0%	y	1,714	TARP OR SOIL
12/25/2015	0	0	0	0	0	0	0	0							1,714	
12/26/2015	0	0	0	0	0	0	0	0	310			0.0%	0.0%	y	1,714	TARP OR SOIL
12/27/2015	0	0	0	0	0	0	0	0							1,714	
12/28/2015	0	0	0	0	0	0	0	0	843			0.0%	0.0%	y	1,714	TARP OR SOIL
12/29/2015	0	0	0	0	0	0	0	0	913			0.0%	0.0%	y	1,714	TARP OR SOIL
12/30/2015	0	0	0	0	0	0	0	0	800			0.0%	0.0%	y	1,714	TARP OR SOIL
12/31/2015	0	0	99	0	0	99	0	99	702			12.1%	12.1%	y	1,714	TARP OR SOIL
December	0	110	99	0	0	209	0	209	23,625	0	0	0.8%	0.8%	26	1,714	
Year to date	9,071	14,102	6,778	341	0	24,945	0	25,286	283,369	0	9	8.4%	8.4%	268	1,714	

Note: The soil yards listed above must be in BCY (airspace yards consumed) NOT truck yards. If load counts are used, convert truck yards to airspace yards.

Density of Non UOC ADC (average) 3,000 lb/cy

Yellow boxes require user input

IV. Environmental Monitoring

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

MONTHLY LEACHATE TRACKING

Oct-15

Date	Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
1	72	89422	2	11048	0	0	VALICOR
2	0	0	3	16571	0	0	ASHLAND/VALICOR
3	0	0	0	0	0	0	0
4	0	0	2	10835	0	0	ASHLAND
5	0	0	3	15894	0	0	ASHLAND/VALICOR
6	0	0	3	16012	0	0	ASHLAND/VALICOR
7	74	0	0	0	0	0	0
8	0	0	1	5577.9	0	0	ASHLAND
9	68	83496	4	22074	0	0	ASHLAND/VALICOR
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
12	0	0	1	5992.8	0	0	VALICOR
13	84	107226	2	11002	0	0	VALICOR
14	0	0	2	10990	0	0	VALICOR
15	0	0	1	5798.6	0	0	VALICOR
16	90	115788	2	11273	0	0	VALICOR
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	1	5659.5	0	0	VALICOR
20	0	0	2	9242.2	0	0	VALICOR
21	0	0	2	11156	0	0	VALICOR
22	96	123930	2	10885	0	0	VALICOR
23	0	0	2	11048	0	0	ASHLAND/VALICOR
24	0	0	2	11034	0.1	0	ASHLAND
25	0	0	0	0	0	0	0
26	0	0	2	10976	0.3	0	ASHLAND/VALICOR
27	97	125229	1	5194.2	0.2	0	ASHLAND/VALICOR
28	0	0	3	16153	0.2	0	ASHLAND/VALICOR
29	92	119913	3	16240	0.1	0	ASHLAND/VALICOR
30	0	0	3	16036	0	0	ASHLAND/VALICOR
31	0	0	0	0	0	0	0
	Totals			266693			
			49				

Date	Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
1	96	102972	3	16580	0	0	VALICOR
2	0	0	2	11350	0	0	ASHLAND/VALICOR
3	0	0	0	0	0	0	0
4	0	0	1	5388.5	0	0	ASHLAND
5	0	0	4	21086	0	0	ASHLAND/VALICOR
6	0	0	5	26249	0	0	ASHLAND/VALICOR
7	84	0	1	5417.3	0	0	ASHLAND
8	0	0	2	10602	0	0	ASHLAND
9	70	75810	3	16182	0	0	ASHLAND/VALICOR
10	0	0	0	0	0	0	0
11	0	0	0	0	0	0	0
12	0	0	2	11233	0	0	VALICOR
13	94	100972	2	11355	0	0	VALICOR
14	0	0	2	10926	0	0	VALICOR
15	0	0	2	10976	0	0	VALICOR
16	94	100972	2	11031	0	0	VALICOR
17	0	0	0	0	0	0	0
18	0	0	0	0	0	0	0
19	0	0	2	11266	0	0	VALICOR
20	0	0	2	10633	0	0	VALICOR
21	0	0	2	10966	0	0	VALICOR
22	98	104972	2	10801	0	0	VALICOR
23	0	0	2	10835	0	0	ASHLAND/VALICOR
24	0	0	1	5410.1	0.1	0	ASHLAND
25	0	0	0	0	0	0	0
26	0	0	4	21247	0.3	0	ASHLAND/VALICOR
27	88	94972	4	21309	0.2	0	ASHLAND/VALICOR
28	0	0	3	15839	0.2	0	ASHLAND/VALICOR
29	76	82308	2	11724	0.1	0	ASHLAN/VALICOR
30	0	0	2	10573	0	0	ASHLAND/VALICOR
31	0	0	0	0	0	0	0
	Totals			308981			575673.86 Gallons
			57				106 Loads

KC

MONTHLY LEACHATE TRACKING

Nov-15

Date	Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
1	0	0	0	0	0	0	0
2	75	94032	1	5597.12	0	0	VALICOR
3	75	94032	1	5419.66	0	0	VALICOR
4	0	0	0	0	0	0	0
5	0	0	0	0	0	0	0
6	74	94032	0	0	0	0	0
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	84	105759	0	0	0	0	0
10	0	0	0	0	0	0	0
11	0	0	1	5321.34	0	0	ASHLAND/VALICOR
12	0	0	1	5438.85	0	0	VALICOR
13	0	0	2	11088.73	0	0	VALICOR
14	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0
16	0	0	2	11201.44	0	0	VALICOR
17	0	0	1	5551.56	0	0	VALICOR
18	79	100026	1	5446.04	0	0	VALICOR
19	75	94032	2	10846.52	0	0	VALICOR
20	73	90969	2	10815.35	0	0	VALICOR
21	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0
23	77	96526	2	11093.53	0	0	VALICOR
24	81	105678	2	11122.3	0.1	0	VALICOR
25	72	89442	2	10832.13	0	0	VALICOR
26	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0
28	0	0	0	0	2	0	0
29	0	0	0	0	0	0	0
30	0	0	1	5582.73	0.2	0	VALICOR
31	0	0	0	0	0	0	0
Totals			21	116357.3			

Date	Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
1	0	0	0	0	0	0	0
2	94	100972	1	5683.45	0	0	VALICOR
3	83	89889	3	16100.72	0	0	VALICOR
4	0	0	4	21750.6	0	0	ASHLAND/VALICOR
5	0	0	4	22335.73	0	0	VALICOR
6	90	96972	3	15875.3	0	0	VALICOR
7	0	0	0	0	0	0	0
8	0	0	0	0	0	0	0
9	96	102972	4	21892.09	0	0	VALICOR
10	0	0	4	22239.81	0	0	VALICOR
11	0	0	3	16429.26	0	0	ASHLAND/VALICOR
12	0	0	3	16316.55	0	0	VALICOR
13	0	0	2	11201.44	0	0	VALICOR
14	0	0	0	0	0	0	0
15	0	0	0	0	0	0	0
16	0	0	2	11223.02	0	0	VALICOR
17	0	0	3	16405.28	0	0	VALICOR
18	84	90972	3	16712.23	0	0	VALICOR
19	82	88806	2	10988.01	0	0	VALICOR
20	78	84474	2	11151.08	0	0	VALICOR
21	0	0	0	0	0	0	0
22	0	0	0	0	0	0	0
23	85	91972	2	11184.65	0	0	VALICOR
24	84	90972	2	11091.13	0.1	0	VALICOR
25	84	90972	2	11141.49	0	0	VALICOR
26	0	0	0	0	0	0	0
27	0	0	0	0	0	0	0
28	0	0	0	0	2	0	0
29	0	0	0	0	0	0	0
30	0	0	2	10738.61	0.2	0	VALICOR
31	0	0	0	0	0	0	0
Totals			51	280460.5			

396817.75	Gallons
72	Loads

ICO
12/1/15

MONTHLY LEACHATE TRACKING

Dec-15

OLD TANK

Date	Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
1	0	0	0	0	0.8	0	0
2	93	119913	1	5558.75	0	0	Ashland / Valicor
3	93	119913	2	10961.63	0	0	Ashland / Valicor
4	85	108672	2	10887.29	0	0	Ashland / Valicor
5	0	0	3	16035.97	0	0	Ashland WWT
6	0	0	1	5258.99	0	0	Ashland WWT
7	84	107226	2	10954.44	0	0	Ashland / Valicor
8	81	105678	2	10592.33	0	0	Ashland / Valicor
9	76	95520	0	0	0	0	0
10	76	95520	1	5359.71	0	0	Ashland / Valicor
11	0	0	0	0	0	0	0
12	0	0	2	10678.66	0	0	Ashland WWT
13	0	0	0	0	0	0	0
14	0	0	2	10565.95	0.2	0	Ashland WWT
15	78	98532	1	5302.16	0	0	Valicor
16	78	98532	0	0	0	0	0
17	75	94032	0	0	0	0	0
18	81	105678	1	5431.65	0	0	Ashland / Valicor
19	0	0	3	15513.19	0	0	Ashland WWT
20	0	0	0	0	0	0	0
21	0	0	0	0	0	0	0
22	81	105678	2	10729.02	0	0	Valicor
23	77	96526	2	10683.45	0.4	0	Valicor
24	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0
26	0	0	2	10836.93	0.4	0	Ashland WWT
27	0	0	0	0	0	0	0
28	114	144258	3	16599.52	0.2	0	Ashland / Valicor
29	104	133758	2	11002.4	0	0	Ashland / Valicor
30	95	122601	2	10853.72	0	0	Ashland / Valicor
31	96	123930	3	16398.08	0	0	Ashland / Valicor
	Totals			210203.8			
			39				

NEW TANK

Date	Tank Inches	Tank Gallons	# Loads	Load Gallons	Rain	Snow	
1	106	112972	0	0	0.8	0	0
2	120	126972	6	32071.94	0	0	Ashland / Valicor
3	104	110972	2	10968.82	0	0	Ashland / Valicor
4	96	102972	3	16266.19	0	0	Ashland / Valicor
5	0	0	2	10515.59	0	0	Ashland WWT
6	0	0	1	5436.45	0	0	Ashland WWT
7	104	110972	2	10858.51	0	0	Ashland / Valicor
8	102	108972	2	10726.62	0	0	Ashland / Valicor
9	96	102972	3	16191.85	0	0	Valicor
10	100	106972	5	26872.9	0	0	Ashland / Valicor
11	0	0	3	15767.39	0	0	Ashland / Valicor
12	0	0	4	21239.81	0	0	Ashland WWT
13	0	0	0	0	0	0	0
14	94	100972	2	10836.93	0.2	0	Ashland WWT
15	94	100972	3	16131.89	0	0	Valicor
16	86	92972	3	16026.38	0	0	Valicor
17	84	90972	0	0	0	0	0
18	84	90972	7	37796.16	0	0	Ashland / Valicor
19	0	0	4	21549.16	0	0	Ashland WWT
20	0	0	3	16083.93	0	0	Ashland WWT
21	0	0	0	0	0	0	0
22	74	80142	2	11247	0	0	Valicor
23	72	77976	2	10844.12	0.4	0	Valicor
24	0	0	0	0	0	0	0
25	0	0	0	0	0	0	0
26	0	0	3	16244.6	0.4	0	Ashland WWT
27	0	0	0	0	0	0	0
28	98	104972	3	15973.62	0.2	0	Ashland / Valicor
29	100	106972	3	15973.62	0	0	Ashland / Valicor
30	97	103972	3	16398.08	0	0	Ashland / Valicor
31	100	106972	2	10649.88	0	0	Ashland / Valicor
	Totals			392671.44			
			73				

602875.28	Gallons
112	Loads

RECEIVED 11/30

Monitoring Control and Compliance, Inc.

November 9, 2015

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

Subject: Monthly LFG Report for October 2015
Green Valley Landfill – Ashland, Kentucky

Dear Mr. Cecil:

Monitoring Control and Compliance, Inc. (MCC) is submitting the following monthly landfill gas system monitoring and information report for the Green Valley Landfill using information collected during the month of October 2015.

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.
Ron Clark
Dana Oleniacz

OCTOBER 2015 MONTHLY REPORT

Control System Operations

Initial Flare Readings

During the October 1, 2015 monitoring event, the gas quality at the blower inlet was 48.9% CH4, 33.0% CO2, 1.4% O2 and 16.7% balance gas. The applied vacuum to the wellfield was -31.71 inches of water and the flow was 720 SCFM.

Final Flare Readings

At the end of the tuning event on October 16, 2015, the gas quality going to the blower inlet was 51.2% CH4, 34.5% CO2, 1.1% O2 and 13.2% balance gas. The applied vacuum to the wellfield was -31.41 inches of water and the flow was 822 SCFM.

The flare operated for 354.14 hours with an average 372 SCFM during October 2015.

Table 1- 1 Control System Down Time Report

Start time	End Time	Comments
10/9/2015 14:45	10/9/2015 15:12	Power Outage
10/9/2015 17:13	10/9/2015 19:40	Air compressor needed to be restarted from previous power outage

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

Monthly Wellhead Monitoring Results

There are a total of 64 monitoring points (56 wells, 7 horizontal wells, and one leachate cleanout riser) associated with, and monitored, as part of the monthly monitoring events.

- Three (3) wells exceeded the NSPS regulatory limits for temperature, oxygen or pressure for a period of greater than 15 days (table 2-1);
- Twenty-two (22) wells exceeded the 58% methane target level set forth in the site's standard operating procedures (SOP); see attachment E.
- Forty-five (45) wells exceeded the 52% methane target level set forth in the site's standard operating procedures (SOP); see attachment E.
- Sixteen (16) wells recorded methane concentrations below the site's SOP of 48% see attachment E.
- Eleven (11) wells recorded flow below the site's SOP of 5 SCFM see attachment E.

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

Equipment calibration information for the October 2015 Landfill Gas System Monitoring Data can also be viewed in Attachment C.

Wells found to be operating outside of Republic's standard operating procedures (SOP) during the month of October 2015 are shown in Attachment E.

Table 2-1 (below) indicates wells operating outside of the NSPS operational parameters for more than 15 days during the month of October 2015.

Table 2-1: October 2015 - Wells Operating Outside NSPS Standards for greater than 15 days

Extraction Well No.	Parameter	Comments
GRNVLHW6	O2	Operated outside NSPS standards from 8/5/15 through end of October 2015 (has burp variance).
GRNVLHW9	O2	Operated outside NSPS standards from 6/1/15 through the end of October 2015 (has burp variance).
GRNVLY61	O2	Operated outside NSPS standards from 7/27/15 through end of October 2015.

Collection System Operations and Maintenance

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

- Two new wells and three redrills were activated during the month of October 2015:
  - GRNVLY66
  - GRNVLY67
  - GRNV65R3
  - GRNV52R2
  - GRNV49R2
- Three redrilled wells were decommissioned during the month of October 2015:
  - GRNV65R2
  - GRNVL52R
  - GRNVL49R
- Pump maintenance was completed on:
  - 61
  - 44R2
  - 46R3
  - 47R2
  - 59R
  - 60R
  - 62
  - 63R2
  - LPW-2
  - RS1
  - RS2
  - RS3
  - 41R2
  - 29
  - 21
  - 23

  These reports can be viewed in Attachment I.
- Sixteen liquid levels were read during the month of October. This report is presented in Attachment I.
- Recorded pump counts; A copy of the pump counts are presented in Attachment G.
- The lateral PW-2 was regraded.
- MCC was on site October 17th and 18th to install replacement 4x8 dual contain FM.

Quarterly Surface Emissions Monitoring

The 4th quarter Initials Surface Emission Monitoring is currently scheduled for November 18, 2015

Perimeter Probe and Building Monitoring

The 4th quarter 2015 perimeter probe and on-site structure monitoring have not been completed at this time.

Recommendations

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

- HW01, EW04, and 65R2 need to be properly decommissioned.
- A pump cleaning station should be built to assist with pump maintenance.
- The lines to the continuous pilot will need to be insulated and heat traced before winter.
- The sump across from the flare should be insulated before winter.
- The continuous pilot will need to be insulated.

This report contains the following appendices':

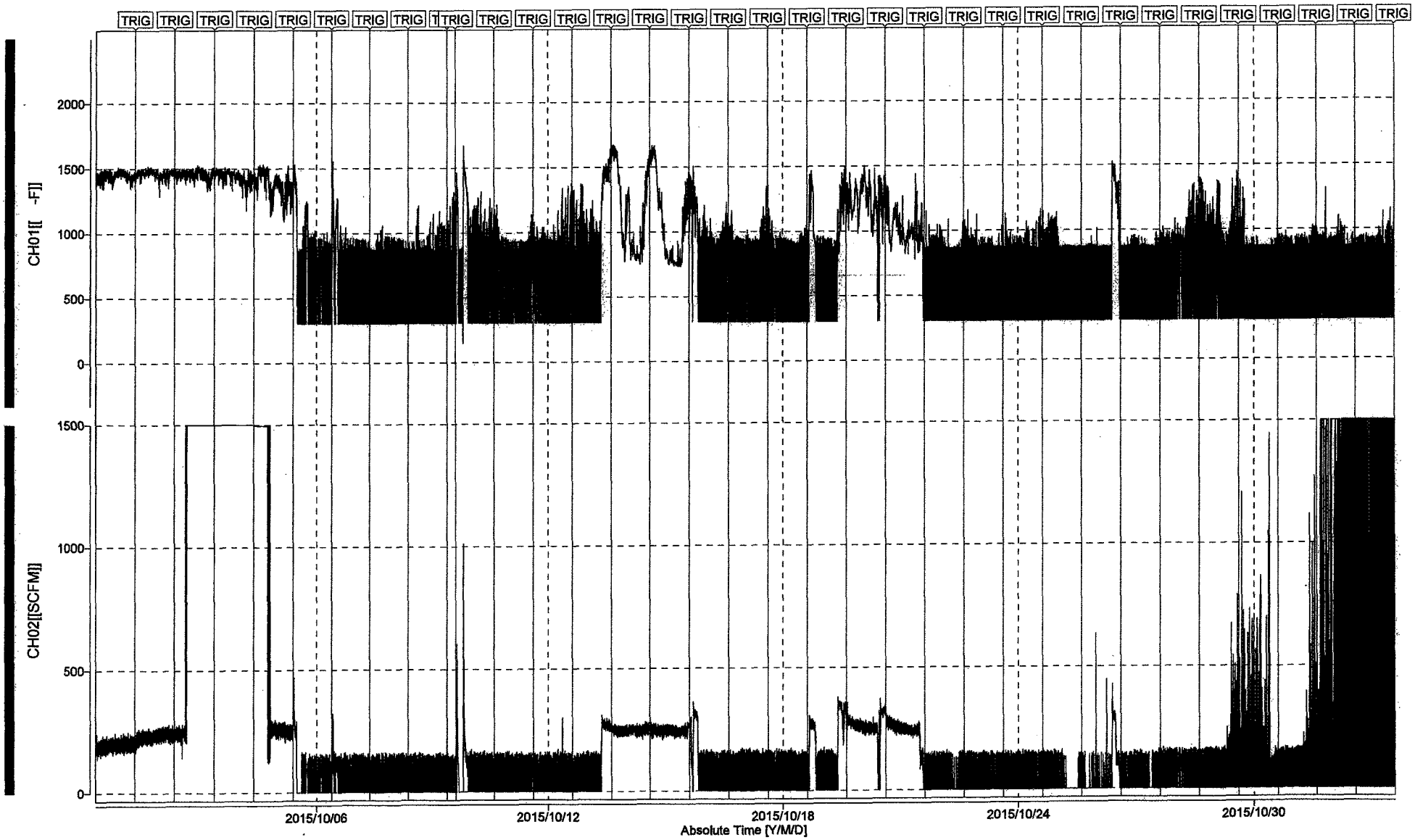
Attachment A – Flare Chart Records
Attachment B – Landfill Gas System Monitoring Data
Attachment C – Gas meter calibration records
Attachment D – O & M Form
Attachment E – Wellfield SOP summary
Attachment F– SSM Forms (if required)
Attachment G – Pump Count Table (if required)
Attachment H – Cover Integrity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

ATTACHMENT A

Flare Chart Records

File Name	: 93009285.DDS,...,Y0115045.DDS
Device Type	: FX100
Serial No.	: S5DB05975
File Message	:
Time Correction	: None
Starting Condition	: Auto
Dividing Condition	: Auto
Meas Ch.	: 5
Math Ch.	: 4
Printed Group	: FLARE DATA
Printed Range	: 2015/09/30 09:28:00.000 - 2015/11/02 13:56:00.000
Comment	:

Data Count	: 5982
Sampling Interval	: 480.000 sec
Start Time	: 2015/09/30 09:28:00.000
Stop Time	: 2015/11/02 13:56:00.000
Trigger Time	: 2015/11/02 13:56:00.000
Trigger No.	: 5981
Damage Check	: Not Damaged



ATTACHMENT B

Landfill Gas System Monitoring Data

Green Valley Landfill
Wellfield Monitoring Data - October 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
W17R2	10/1/15 14:08	48.7	34.7	0	16.6	102.7	-8.63		61.39		Good;No Change;No Repair Needed
W17R2	10/16/15 13:00	52	35.2	0	12.8	103.3	-10.35		16.54		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W27RR	10/1/15 15:09	53.3	37.3	0	9.4	116.1	-1.61		8.07		Good;No Change;No Repair Needed
W27RR	10/16/15 14:02	54.5	37.6	0	7.9	121.5	-1.56	-1.69	6.35	6.5	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W27RR	10/16/15 14:04	55	37.9	0	7.1	122.2	-1.86		9.11		Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W41R2	10/1/15 10:45	52.1	33.5	0.1	14.3	104.4	-16.87		12.18		49064;Good;No Change;No Repair
W41R2	10/16/15 9:35	58.6	35	0	6.4	107.8	-14.8	-16.18	12.24	14.65	Valve Comment:"52978";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W41R2	10/16/15 9:37	57.2	34	0	8.8	108.7	-17.73		14.58		Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W43R2	10/1/15 10:41	60.9	38.2	0.1	0.8	97.5	-29.68		20.05		168015;Good;No Change;No Repair
W43R2	10/16/15 9:31	61	37.9	0	1.1	98.8	-25.5		6.11		Valve Comment:"179221";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W44R2	10/1/15 10:48	59.4	37.5	0	3.1	109	-0.19	-0.68	30.69	31.11	275;Good;No Repair Needed;Slightly Open
W44R2	10/1/15 10:49	59.5	39.6	0	0.9	108.9	-0.71		32.79		2nd Reading;Good;No Repair
W44R2	10/16/15 9:40	59.6	38.8	0	1.6	103.8	-1.53	-1.69	23.59	33.83	Valve Comment:"284";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill
Wellfield Monitoring Data - October 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
W44R2	10/16/15 9:41	59.4	40.2	0	0.4	101.3	-1.68		36.83		Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W46R3	10/1/15 9:40	50.3	35.6	3	11.1	95.7	-0.15		26.54		3135;Good;needs air;No Change;No Repair Needed
W46R3	10/16/15 8:35	57.9	39.3	0.4	2.4	97	-0.07	-0.12	0	33.6	Valve Comment:"3256";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W46R3	10/16/15 8:36	51.1	37	2.9	9	96.6	-0.16		40.47		Valve Adjustment:"Slightly Open,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W47R2	10/1/15 10:59	51.5	35.2	1.7	11.6	118.4	-1.88		29.15		578566;Good;No Change;No Repair
W47R2	10/16/15 9:55	53.7	37	0.8	8.5	121.1	-0.81		38.48		Valve Comment:"594033";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV49R2	10/1/15 11:05	58	40.6	0.1	1.3	59.5	14.88	-0.15	0	20.97	Good;No Repair Needed;Slightly
GRNV49R2	10/1/15 11:07	58.2	41	0.1	0.7	101.1	-1.68		19.07		2nd Reading;Good;No Repair
GRNV49R2	10/16/15 9:59	60.1	39.8	0	0.1	109.8	-11.52	-11.69	0	0	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV49R2	10/16/15 10:00	60.3	39.7	0	0	111	-12.47		33.31		Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W50R3	10/1/15 11:09	50.1	38.8	0.1	11	113	-16.7		14.25		Good;No Change;No Repair Needed
W50R3	10/16/15 10:04	49.4	38.2	0	12.4	115	-15.23		7.42		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV52R2	10/1/15 11:48	65.2	33.4	0	1.4	60.3	1.18	-0.08	9.24	14.67	Good;No Repair Needed;Slightly
GRNV52R2	10/1/15 11:49	65.3	34.7	0	0	109.9	-0.27		17.47		2nd Reading;Good;No Repair

Green Valley Landfill
Wellfield Monitoring Data - October 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
GRNV52R2	10/16/15 10:38	63.5	35.3	0	1.2	114.4	-0.41	-0.5	10.09	21.6	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV52R2	10/16/15 10:39	62	37.2	0	0.8	116.2	-0.63		12.68		Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W63R2	10/1/15 10:01	61.2	38.5	0.1	0.2	81.1	-29.34		14.82		Good;No Change;No Repair Needed
W63R2	10/16/15 8:54	58.2	38.7	0.4	2.7	84.2	-23.12		14.81		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W64R2	10/1/15 9:58	57.3	38.9	0.5	3.3	121.6	-30.37		36.4		554814;Fair;No Change;Pump Maintenance Required
W64R2	10/16/15 8:49	60	40	0	0	125.8	-25.54		17.28		Valve Comment:"574606";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV65R3	10/1/15 9:52	59.5	39.8	0	0.7	59.2	0.49	-0.03	4.13	8.06	Good;No Repair Needed;Slightly
GRNV65R3	10/1/15 9:54	59.3	39.8	0	0.9	89.4	-0.04		8.34		2nd Reading;Good;No Repair
GRNV65R3	10/16/15 8:45	59.8	40.1	0	0.1	100	0.14	-0.05	24.74	21.8	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV65R3	10/16/15 8:46	60	40	0	0	102.6	-0.16		19.76		Valve Adjustment:"Slightly Open,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W08R	10/1/15 14:16	50.1	36.3	0	13.6	67.3	-1.86		7.68		80265;Good;No Change;No Repair
W08R	10/16/15 13:08	48.8	36.2	0	15	77.2	-3.37		2.74		Valve Comment:"80623";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W10R	10/1/15 14:53	55.8	37.5	0	6.7	122.7	-1.82	-2.03	32.43	33.92	Good;No Repair Needed;Slightly
W10R	10/16/15 13:53	55.3	36	0	8.7	126.9	-1.68		3.43		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W13R	10/1/15 13:17	52.5	34.7	0.2	12.6	110.5	-14.45		28.59		192838;Good;No Change;No Repair

Green Valley Landfill
Wellfield Monitoring Data - October 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
W13R	10/1/15 14:55	54.8	37.8	0	7.4	123.6	-2.09		35.37		2nd Reading;Good;No Repair
W13R	10/16/15 12:22	54.3	36.2	0.3	9.2	111.2	-16.82		27.37		Valve Comment:"196164";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"Needs Kanaflex"
W18R	10/1/15 14:44	53.1	35.5	0.1	11.3	92.1	-7.55		17.4		304;Good;No Change;No Repair
W18R	10/16/15 13:45	51.9	35.6	0.1	12.4	91.6	-7.85		0		Valve Comment:"304";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W26R	10/1/15 12:58	49.9	35	0	15.1	96.8	-12.73		25.88		156999;Good;Needs New Regulator;No Change
W26R	10/16/15 12:01	50.1	34.6	0	15.3	97.7	-11.99		21.71		Valve Comment:"157303";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W32R	10/1/15 14:48	54.4	36.8	0	8.8	127.4	-21.79		30.22		845294;Good;No Change;No Repair
W32R	10/16/15 13:50	55.4	37	0	7.6	127.4	-20.58		33.32		Valve Comment:"845294";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W38R	10/1/15 14:59	56.1	36.5	0	7.4	116.4	-1.6	-1.7	2.9	5.73	Good;No Repair Needed;Slightly
W38R	10/1/15 15:00	56.3	36	0	7.7	119.7	-1.87		27.34		2nd Reading;Good;No Repair
W38R	10/16/15 13:56	50.7	35.8	0	13.5	123.1	-3.36		7.02		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W54R	10/1/15 11:42	39.6	17.5	6.7	36.2	118.9	-7.89	-6.86	52.54	37.3	69829;Fair;Pump Maintenance Required;Slightly Closed;tri tubing
W54R	10/1/15 11:43	48.4	20.6	4.5	26.5	120	-6.86		42.89		2nd Reading;Fair;Pump Maintenance Required
W54R	10/16/15 10:33	68	30.7	0.1	1.2	110.5	-4.26	-7.77	38.32	36.27	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill
Wellfield Monitoring Data - October 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
W54R	10/16/15 10:35	68.6	29.8	0	1.6	117.9	-10.96		43.2		Valve Comment:"69833";Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W59R	10/1/15 11:12	61.9	33.8	0.7	3.6	110.5	-28.65		16.03		153933;Fair;No Change;No Repair Needed
W59R	10/16/15 10:10	65.7	33.5	0.2	0.6	113.2	-23.77		13.16		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W60R	10/1/15 11:14	53.7	31.3	0.2	14.8	76.1	-3.49		11.19		Good;No Change;No Repair Needed
W60R	10/16/15 10:13	60.5	36.8	0.2	2.5	80.6	-0.29	-0.53	8.74	8.66	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W60R	10/16/15 10:15	60.4	37.4	0.2	2	82.9	-2.27		10.84		Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW1	10/1/15 13:13	30.8	27.4	1.3	40.5	78.4	-0.08		11.28		Good;No Change;No Repair Needed
HW1	10/16/15 12:19	24.6	24.6	1.6	49.2	75.9	-0.04		14.54		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW3	10/1/15 10:26	38.2	25.2	5.7	30.9	72.1	-0.17	0.13	7.71	3.57	Fair;No Repair Needed;Slightly Closed;variance
HW3	10/1/15 10:27	38.2	24.9	5.7	31.2	69.8	0.16	0.16	2.92	0	Fair;No Change;No Repair Needed
HW3	10/1/15 10:28	38.8	24.7	5.7	30.8	69.1	0.17		4.12		2nd Reading;Fair;No Repair Needed
HW3	10/16/15 9:16	61.3	38.7	0	0	64.6	0.23	-0.02	2.92	6.45	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW3	10/16/15 9:17	61.5	38.5	0	0	67.8	-0.08		7.71		Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	10/1/15 10:14	60.7	38.3	0	1	68.4	0.2	-0.12	8.25	6.74	Good;No Repair Needed;Slightly
HW4	10/1/15 10:15	60.9	38.3	0	0.8	71.4	-0.65		10.08		2nd Reading;Good;No Repair

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Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
HW4	10/16/15 9:05	32	25.8	5.2	37	71.2	-1.88	-1.55	13.29	7.14	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	10/16/15 9:06	32.5	25.1	5.3	37.1	70.9	-0.82		7.12		Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	10/28/15 15:49	61.6	37.9	0	0.5	72.2	0.37	-0.07	10.91	12.73	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	10/28/15 15:50	61.6	38.2	0	0.2	73	-0.8		10.49		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	10/1/15 10:05	59.9	39.6	0	0.5	69.3	0.41	-0.22	5.87	11.94	Good;No Repair Needed;Slightly
HW5	10/1/15 10:06	59.7	39.7	0	0.6	71.8	-1.08		13.56		2nd Reading;Good;No Repair
HW5	10/16/15 8:58	34.5	25.5	7.2	32.8	68.4	-3.42	-2.89	10.42	9.01	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	10/16/15 8:59	33.4	24.7	7.3	34.6	68.2	-1.99		11.96		Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	10/28/15 15:52	59.5	38.6	0	1.9	68.4	-0.31	-0.43	10.09	12.14	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	10/28/15 15:53	59.8	38.7	0	1.5	68.4	-0.7		16.2		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW6	10/1/15 11:16	8.6	5.2	18.7	67.5	56.5	-3.08	-3.07	6.47	5.78	Fair;No Change;No Repair Needed;valve completely closed
HW6	10/1/15 11:17	22.8	13.9	12.8	50.5	55.9	-3.22		6.47		2nd Reading;Fair;No Repair Needed

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Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
HW6	10/16/15 10:17	19.1	13.1	14.5	53.3	70.2	-2.93	-2.92	6.47	6.47	Valve Comment:"valve completely closed ";Valve Adjustment:"No Change";Well Condition:"Fair";Well Repairs:"No Repair Needed"
HW6	10/16/15 10:18	24.7	16.5	11.7	47.1	72.5	-3.06		7.09		Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair Needed"
HW7	10/1/15 10:21	47.4	36	1.5	15.1	100.4	-0.17	-0.11	28.24	22.52	Good;No Repair Needed;Slightly
HW7	10/1/15 10:22	47.1	35.4	1.5	16	99.9	-0.09		18.43		2nd Reading;Good;No Repair
HW7	10/16/15 9:12	54.7	39.3	0.4	5.6	92.1	-0.02	-0.16	38	39.4	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW8	10/1/15 10:10	52.7	38.2	0.2	8.9	89.2	0.07	-0.11	24.59	45.6	Good;No Repair Needed;Slightly
HW8	10/1/15 10:11	52.8	38.1	0.2	8.9	91.9	-0.16		29.28		2nd Reading;Good;No Repair
HW8	10/16/15 9:02	48.3	34.1	0.7	16.9	92.1	-0.01		0		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW9	10/1/15 10:35	37.8	29.2	4.3	28.7	64.2	0.21	-0.02	0	11.89	Fair;No Repair Needed;Slightly Open
HW9	10/1/15 10:36	33.2	23	6.1	37.7	89.6	-0.05	0.17	0	0	Fair;No Repair Needed;Slightly
HW9	10/1/15 10:37	28.7	21.2	7.4	42.7	85.8	0.17	0.2	0	0	Fair;No Change;No Repair Needed
HW9	10/1/15 10:37	26.2	19	7.8	47	80.8	0.19		0		2nd Reading;Fair;No Repair Needed
HW9	10/16/15 9:24	51.4	35.9	1.3	11.4	74.8	0.19	-0.03	0	0	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:""
HW9	10/16/15 9:26	37.6	26	5.6	30.8	85.8	-0.02	0.16	0	0	Valve Adjustment:"Slightly Closed";Well Condition:"Poor";Well Repairs:"No Repair Needed"
HW9	10/16/15 9:27	34.8	24.3	6.5	34.4	84.2	0.16	0.17	0	0	Valve Adjustment:"No Change";Well Condition:"Poor";Well Repairs:"No Repair Needed"
HW9	10/16/15 9:28	35.2	23.7	6.4	34.7	81.5	0.17		0		Valve Adjustment:"2nd Reading";Well Condition:"Poor";Well Repairs:"No Repair Needed"
PW1	10/1/15 10:31	59.1	38	0.1	2.8	83.7	5.52	-0.5	44.6	54.3	62690;Fair;Pump Maintenance Required;Slightly Open

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Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
PW1	10/1/15 10:32	59.6	40	0.1	0.3	85.5	1.08		20.45		2nd Reading;Fair;Pump Maintenance Required
PW1	10/1/15 16:14	54.6	34.7	1.5	9.2	79	-4.89		34.46		2nd Reading;Good;No Repair
PW1	10/16/15 9:20	55.1	38.1	1.8	5	88.9	-8.89		32.88		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW2	10/1/15 10:18	58.9	39.4	0.1	1.6	110.5	-29.34		35.48		261830;Fair;No Change;No Repair Needed;surging
PW2	10/16/15 9:09	58.3	38.3	0	3.4	114.6	-15.83		17.72		Valve Comment:"273773";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y01	10/1/15 15:24	46.2	33.3	0	20.5	86	-15.14	-14.8	6.87	6.28	Good;No Repair Needed;Slightly
Y01	10/1/15 15:25	46.2	33	0	20.8	86	-14.45		5.62		2nd Reading;Good;No Repair
Y01	10/16/15 14:11	51.4	35.1	0	13.5	84.4	-13.29		6.85		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y02	10/1/15 15:17	51.7	35.7	0	12.6	109.6	-24.12		34.91		Good;No Change;No Repair Needed
Y02	10/16/15 14:16	51.3	35.2	0	13.5	110.1	-23.47		38.45		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y03	10/1/15 12:48	55	36.1	0	8.9	93.7	-28.26		13.91		Good;No Change;No Repair Needed
Y03	10/16/15 11:53	56.1	31.4	0.1	12.4	100.9	-28.04		3.54		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y12	10/1/15 12:52	43.7	32.2	1.9	22.2	64.4	-5.48	-5.48	4.98	5.46	Good;No Repair Needed;Slightly Closed;well influence
Y12	10/1/15 13:06	50.4	36.3	0	13.3	97.7	-27.22		0		Good;No Change;No Repair Needed
Y12	10/16/15 12:10	52.8	36.1	0	11.1	98.4	-26.14		0		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y16	10/1/15 13:59	49.8	34.7	0.2	15.3	98.4	-19.54		33.87		Good;No Change;No Repair Needed
Y16	10/16/15 12:53	52.7	34.8	0.1	12.4	99	-22.35		25.46		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y19	10/1/15 13:29	46.7	34.5	0	18.8	90.1	-5.82	-5.48	11.35	7.44	Good;No Repair Needed;Slightly
Y19	10/1/15 13:31	47.5	34.1	0	18.4	88.5	-5.13		10.38		2nd Reading;Good;No Repair

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Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
Y19	10/16/15 12:33	48	35	0	17	90.9	-5.82		9.57		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y20	10/1/15 13:35	51.4	35	0	13.6	109.9	-8.58		76.45		Good;No Change;No Repair Needed
Y20	10/16/15 12:37	50.3	35.3	0	14.4	109.9	-9.23		68.65		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y21	10/1/15 13:40	58.5	37.9	0	3.6	100	-18.29		36.83		721;Good;No Change;No Repair
Y21	10/16/15 12:42	57.5	37	0	5.5	101.5	-21.35		44.53		Valve Comment:"3180";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y22	10/1/15 13:44	54.8	34.1	0	11.1	81.1	-18.59		38.85		Good;No Change;No Repair Needed
Y22	10/16/15 12:46	56	37.2	0	6.8	82.8	-21.05		29.76		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y23	10/1/15 13:53	47.2	35	0.2	17.6	82.9	-17.21	-16.18	27.78	25.88	217;Good;No Repair Needed;Slightly Closed
Y23	10/1/15 13:55	46.5	34.8	0.2	18.5	83.3	-16.31		26.1		2nd Reading;Good;No Repair
Y23	10/16/15 12:50	51.9	35.6	0.3	12.2	84.7	-18.9		25.76		Valve Comment:"13992";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y24	10/1/15 12:54	41.2	30.4	2.7	25.7	62.4	-5.48		4.98		2nd Reading;Good;No Repair
Y24	10/16/15 11:57	44.6	30.7	2.6	22.1	80.6	-5.44		6.98		Valve Comment:"valve barely cracked ";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y25	10/1/15 15:13	50.1	36.6	0.1	13.2	110.5	-14.19		9.75		251571;Good;No Change;No Repair
Y25	10/16/15 14:06	51.5	37.5	0.1	10.9	111.4	-13.98		0		Valve Comment:"254910";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y28	10/1/15 13:02	55.9	36.7	0.8	6.6	107.6	-18.38		40.53		155440;Good;No Change;No Repair

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Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
Y28	10/16/15 12:05	54.5	36.4	1	8.1	108.1	-15.79		34.98		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y29	10/1/15 15:05	53.7	36.2	0.3	9.8	100.4	-1.65		2.9		120213;Good;Needs New Regulator;No Change
Y29	10/16/15 14:00	49.7	35.3	0.6	14.4	102.7	-1.45		7.05		Valve Comment:"120258";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y30	10/1/15 13:09	48.1	32.2	0	19.7	84.6	-3.18		28.16		Good;No Change;No Repair Needed
Y30	10/16/15 12:14	48.4	33.4	0.1	18.1	85.8	-3.46	-3.44	30.47	4.79	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y30	10/16/15 12:15	49.5	34.4	0	16.1	85.6	-3.41		39.93		Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y31	10/1/15 13:21	56.7	37.4	0	5.9	100	-28.26		13.07		Good;No Change;No Repair Needed
Y31	10/16/15 12:26	56.2	36.9	0	6.9	101.8	-25.11		16.71		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y33	10/1/15 14:39	44.3	34.7	0	21	86.9	-3.06		5.53		Good;No Change;No Repair Needed;valve barely cracked;well
Y33	10/16/15 13:39	40.5	33.3	0	26.2	91.8	-4.09	-4.06	0	3.23	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y33	10/16/15 13:41	40.9	32.9	0	26.2	91.2	-4.03		2.74		Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y34	10/1/15 13:24	54.7	36.7	0	8.6	103.8	-6.17		87.28		Good;No Change;No Repair Needed
Y34	10/16/15 12:29	50.9	36	0.3	12.8	104.4	-6.13		6.52		Valve Adjustment:"No Change";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y35	10/1/15 14:32	58	38	0.1	3.9	61.9	-0.78	-0.82	16.2	21.92	20242;Good;No Repair Needed;Slightly Open

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Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
Y35	10/16/15 13:34	59.4	38.2	0.1	2.3	75	-1.85	-1.93	2.75	5.84	Valve Comment:"21926";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y35	10/16/15 13:35	59.3	38.5	0.1	2.1	79.2	-2.05		5.73		Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y36	10/1/15 14:13	51.5	35.2	0	13.3	126.9	-16.87		46.5		Good;No Change;No Repair Needed
Y36	10/1/15 14:33	57.9	37.9	0	4.2	65.5	-0.84		32.39		2nd Reading;Good;No Repair
Y36	10/16/15 13:04	51.5	35.7	0	12.8	126.1	-18.16		15.73		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y37	10/1/15 14:05	49.8	35.3	0	14.9	86.7	-14.93		29.53		Good;No Change;No Repair Needed
Y37	10/16/15 12:57	48.8	34.4	0	16.8	87.6	-17.82		29.62		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y55	10/1/15 10:52	59.2	39.7	0.2	0.9	105.1	-29.34		31.9		10171;Good;No Change;No Repair
Y55	10/16/15 9:47	56.9	32.2	0.2	10.7	105.6	-25.88		29.4		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y56	10/1/15 10:54	56.5	38	1.1	4.4	87.1	-29.98		0		115901;Fair;No Change;No Repair
Y56	10/16/15 9:53	59.6	37.9	0	2.5	86.7	-30.03		0		Valve Comment:"115901";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y57	10/1/15 11:56	51	34.2	0.1	14.7	79.7	-12.04		7.82		330943;Good;No Change;No Repair
Y57	10/16/15 10:45	53.4	35.7	0	10.9	90.3	-11.35		8.96		Valve Comment:"369353";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y58	10/1/15 11:52	51.7	34.7	0.3	13.3	99.1	-16.87		36.75		5024;Good;No Change;No Repair
Y58	10/16/15 10:42	53.2	36.1	0.1	10.6	99	-16.52		38.35		Valve Comment:"5245";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"

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Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
Y61	10/1/15 11:35	21.8	11	9	58.2	74.7	-24.98	-24.5	0	19.18	Fair;Pump Maintenance Required;Slightly Closed
Y61	10/1/15 11:36	22.1	11	8.9	58	74.3	-20.41		11.42		2nd Reading;Fair;No Repair Needed
Y61	10/16/15 10:23	0.3	0.3	22.3	77.1	70.9	-25.54	-25.54	0	0	Valve Adjustment:"Slightly Closed";Well Comment:"back pressure on force main ";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y61	10/16/15 10:24	0.1	0.1	22.5	77.3	73.8	-21.7		4.78		Valve Adjustment:"No Change,2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y62	10/1/15 11:19	57.2	35.9	1.5	5.4	66.4	-26.23		17.25		Good;No Change;Pump Maintenance Required
Y62	10/16/15 10:20	56.4	37.9	0.5	5.2	71.6	-18.08		12.76		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY66	10/1/15 9:35	60.6	37.9	0	1.5	58.5	1.67	-0.04	5.07	9.15	Good;No Repair Needed;Slightly
GRNVLY66	10/1/15 9:36	61.2	38.5	0	0.3	83.7	-0.01		9.22		2nd Reading;Good;No Repair
GRNVLY66	10/16/15 8:30	62.2	37.8	0	0	95.7	0.3	-0.05	10.1	11.87	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY66	10/16/15 8:31	61.7	38.3	0	0	99.5	-0.22		8.74		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY67	10/1/15 9:48	59.6	39.1	0	1.3	120.2	0.24	-0.05	14.58	22.86	Good;No Repair Needed;Slightly
GRNVLY67	10/1/15 9:49	59.4	39.8	0	0.8	121.1	-0.05		26.86		2nd Reading;Good;No Repair
GRNVLY67	10/16/15 8:40	59.2	39.9	0	0.9	118.6	-0.07	-0.28	21.61	27.37	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY67	10/16/15 8:41	59.1	40.4	0	0.5	118.9	-0.2		31.1		Valve Adjustment:"Slightly Open,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y7R	10/1/15 14:24	0.3	0.2	21.8	77.7	72.5	-12.47	-11.35	17.87	25.81	490000;Fair;Needs New Counter;Slightly Closed

Green Valley Landfill
Wellfield Monitoring Data - October 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
Y7R	10/1/15 14:26	0.9	0.2	21.1	77.8	77.5	-10.87		12.51		2nd Reading;Fair;Needs New
Y7R	10/16/15 13:29	44.5	33.4	0.8	21.3	133.2	-13.03	-11.91	23.08	5.26	Valve Comment:"500000";Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y7R	10/16/15 13:30	44.4	34.3	0.7	20.6	123.1	-11.3		5.6		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
BOT2	10/1/15 9:14	48.4	32.5	1.4	17.7	82.9	0.66	0.66	180	180	Good;No Change;No Repair Needed
CO02	10/1/15 12:02	57.1	31.6	0.9	10.4	59.4	-30.37		14.02		Fair;No Change;No Repair Needed
BLWIN	10/1/15 9:12	48.9	33	1.4	16.7	80.4	-31.71	-31.71	720	720	Good;No Change;No Repair Needed
BLWIN	10/1/15 15:48	49.7	33.1	1.1	16.1	79.9	-30.37	-31.71	750	750	Good;No Change;No Repair Needed
BLWIN	10/16/15 8:11	50.8	34.5	1.2	13.5	74.8	-27.61	-27.48	730	730	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	10/16/15 15:53	51.2	34.5	1.1	13.2	75.4	-31.41	-31.36	822	822	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	10/28/15 15:41	52	35.2	0.7	12.1	72.9	-25.5	-25.88	720	720	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	10/28/15 16:08	50	33.5	1.8	14.7	73.5	-28.26	-28.3	720	720	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLOUT	10/1/15 9:16	48.6	33.2	1.4	16.8	88.9	8.28	7.72	540	540	Good;No Change;No Repair Needed
BLOUT	10/16/15 8:13	50.8	34.4	1	13.8	83.1	9.88	9.66	730	730	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLOUT	10/16/15 15:55	50.7	34	1.1	14.2	93.7	8.2	8.15	822	822	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLOUT	10/28/15 15:42	51.5	35.1	0.7	12.7	84.7	9.53	10.05	720	720	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill
Wellfield Monitoring Data - October 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
BLOUT	10/28/15 16:10	52.1	34.4	0.7	12.8	88.1	9.62	10.05	720	720	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Plant 1	10/1/15 15:53	50.5	34.2	1	14.3	89.8	8.97	8.63	520	520	Good;No Change;No Repair Needed;No Totalizer
Flare 1	10/1/15 15:51	49.9	33.7	1	15.4	84.2	0.76	0.75	230	230	24095327 scf;Good;No Change;No Repair Needed

Total Number of Wells	63
Total Number of Well Readings	63
Total Number of Readings NOT Collected	0

Number of Wells With Methane < 48%	16
Number of Wells With Methane > 52%	45
Number of Wells With Methane > 58%	22
Number of Wells With Oxygen > 1%	8
Number of Wells With Temperature > 120°F	8
Number of Wells With Flow < 5 SCFM	11

ATTACHMENT C

Gas Meter Calibration Records

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	10/1/15
Meter Time:	9:03 AM
Meter Temperature:	74.3 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2582	0	-0.02
Methane	000000EE2682	48.43	48.6
Oxygen	000000EE2682	0	-0.12
Oxygen	000000EE2582	4	3.87
CO2	000000EE2582	0	-0.1
CO2	000000EE2682	34.68	35.03
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0
Differential (high)	NA	0	0.01

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	10/1/15
Meter Time:	12:36 PM
Meter Temperature:	72.0 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2582	0	0.01
Methane	000000EE2682	48.43	48.31
Oxygen	000000EE2682	0	0.09
Oxygen	000000EE2582	4	4.04
CO2	000000EE2582	0	0.04
CO2	000000EE2682	34.68	34.75
Available (high)	NA	0	-0.22
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.01

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	10/1/15
Meter Time:	3:38 PM
Meter Temperature:	76.5 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2582	0	0.03
Methane	000000EE2682	48.43	48.66
Oxygen	000000EE2682	0	-0.05
Oxygen	000000EE2582	4	4.14
CO2	000000EE2582	0	0.02
CO2	000000EE2682	34.68	34.6
Available (high)	NA	0	-0.17
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	-0.01
Differential (high)	NA	0	-0.02

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	10/16/15
Meter Time:	7:43 AM
Meter Temperature:	68.1 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2582	0	-0.01
Methane	000000EE2682	48.43	48.17
Oxygen	000000EE2682	0	0.06
Oxygen	000000EE2582	4	3.87
CO2	000000EE2582	0	0
CO2	000000EE2682	34.68	35.13
Available (high)	NA	0	-0.26
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.03

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	10/16/15
Meter Time:	11:47 AM
Meter Temperature:	90.1 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2582	0	0.03
Methane	000000EE2682	48.43	49.02
Oxygen	000000EE2682	0	-0.03
Oxygen	000000EE2582	4	4.15
CO2	000000EE2582	0	0.04
CO2	000000EE2682	34.68	34.63
Available (high)	NA	0	0
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	0
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:	10/16/15
Meter Time:	3:47 PM
Meter Temperature:	91.5 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2582	0	0.06
Methane	000000EE2682	48.43	48.42
Oxygen	000000EE2682	0	-0.09
Oxygen	000000EE2582	4	3.99
CO2	000000EE2582	0	0.03
CO2	000000EE2682	34.68	34.39
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.02

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	10/28/15
Meter Time:	3:38 PM
Meter Temperature:	84.8 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2610	0	0.02
Methane	000000EE2542	48.43	48.31
Oxygen	000000EE2542	0	0
Oxygen	000000EE2610	4	4.05
CO2	000000EE2610	0	0
CO2	000000EE2542	34.68	35.03
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.03

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	10/28/15
Meter Time:	4:06 PM
Meter Temperature:	84.1 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2610	0	0.1
Methane	000000EE2542	48.43	48.26
Oxygen	000000EE2542	0	-0.01
Oxygen	000000EE2610	4	3.95
CO2	000000EE2610	0	0.08
CO2	000000EE2542	34.68	34.42
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.03

ATTACHMENT D

O & M Report

Monitoring Control and Compliance, Inc.

Green Valley Landfill
GCCS Major Components Checklist

Technician: **Zack Ankney**

Date: **10/2/2015**

Flare Station / Skid Components

Item	Yes	No		Comments
Flare Operating in Automatic Mode	☐	☑		
Blower / flare operating properly	☐	☑		
Autodialer functioning	☐	☑		
VFD vacuum setpoint	In-W.C.		-32	
Motor operating properly	☑	☐		
Plant flow rate	SCFM		750	Flare Flow Rate: N/A
Bearings properly lubricated	☑	☐		
Any Unusual Noises at B/F Skid	☐	☑		
Belts / drive correct	☑	☐		
Blower casing drained	☑	☐		
Valves properly positioned	☑	☐		
Chart recorder functioning	☑	☐		
Actuators maintained	☑	☐		
KOP Demister differential pressure	In. W.C		N/A	
Flame arrestor differential pressure	In. W.C		N/A	
Flame arrestor inlet pressure	In. W.C		N/A	
Nitrogen Cylinder Pressure	PSI		N/A	
Propane Cylinder Pressure	%		70	Continuous pilot installed

Air Compressor Components

Item	Yes	No	Comments
Unit Operating in Automatic Mode	☑	☐	Hours: 17984; 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: 697266	All cycling properly
CK-2: 352891	
CK-3: 327796	
CK-4: 162353	
DL-7: 432812	
Toe Drain: 595949	
CK-H: 351451	

Additional Comments

Rental flow meter installed in plant line. Awating return from FCI after annual calibration

ATTACHMENT E

Wellfield SOP Summary

Green Valley Landfill
Wellfield SOP Summary
October 2015

Extraction Wells > 58% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV41R2	10/16/2015 9:35	58.6	GRNVLHW3	10/16/2015 9:17	61.5
GRNV43R2	10/16/2015 9:31	61	GRNVLHW4	10/28/2015 15:49	61.6
GRNV44R2	10/16/2015 9:40	59.6	GRNVLHW5	10/1/2015 10:05	59.9
GRNV49R2	10/16/2015 10:00	60.3	GRNVLPW1	10/1/2015 10:32	59.6
GRNV52R2	10/1/2015 11:49	65.3	GRNVLPW2	10/1/2015 10:18	58.9
GRNV63R2	10/1/2015 10:01	61.2	GRNVLY21	10/1/2015 13:40	58.5
GRNV64R2	10/16/2015 8:49	60	GRNVLY35	10/16/2015 13:34	59.4
GRNV65R3	10/16/2015 8:46	60	GRNVLY55	10/1/2015 10:52	59.2
GRNVL54R	10/16/2015 10:35	68.6	GRNVLY56	10/16/2015 9:53	59.6
GRNVL59R	10/16/2015 10:10	65.7	GRNVLY66	10/16/2015 8:30	62.2
GRNVL60R	10/16/2015 10:13	60.5	GRNVLY67	10/1/2015 9:48	59.6

Extraction Wells > 52% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV17R2	10/16/2015 13:00	52	GRNVLHW7	10/16/2015 9:12	54.7
GRNV27RR	10/16/2015 14:04	55	GRNVLHW8	10/1/2015 10:11	52.8
GRNV41R2	10/16/2015 9:35	58.6	GRNVLPW1	10/1/2015 10:32	59.6
GRNV43R2	10/16/2015 9:31	61	GRNVLPW2	10/1/2015 10:18	58.9
GRNV44R2	10/16/2015 9:40	59.6	GRNVLY03	10/16/2015 11:53	56.1
GRNV46R3	10/16/2015 8:35	57.9	GRNVLY12	10/16/2015 12:10	52.8
GRNV47R2	10/16/2015 9:55	53.7	GRNVLY16	10/16/2015 12:53	52.7
GRNV49R2	10/16/2015 10:00	60.3	GRNVLY21	10/1/2015 13:40	58.5
GRNV52R2	10/1/2015 11:49	65.3	GRNVLY22	10/16/2015 12:46	56
GRNV63R2	10/1/2015 10:01	61.2	GRNVLY28	10/1/2015 13:02	55.9
GRNV64R2	10/16/2015 8:49	60	GRNVLY29	10/1/2015 15:05	53.7
GRNV65R3	10/16/2015 8:46	60	GRNVLY31	10/1/2015 13:21	56.7
GRNVL10R	10/1/2015 14:53	55.8	GRNVLY34	10/1/2015 13:24	54.7
GRNVL13R	10/1/2015 14:55	54.8	GRNVLY35	10/16/2015 13:34	59.4
GRNVL18R	10/1/2015 14:44	53.1	GRNVLY36	10/1/2015 14:33	57.9
GRNVL32R	10/16/2015 13:50	55.4	GRNVLY55	10/1/2015 10:52	59.2
GRNVL38R	10/1/2015 15:00	56.3	GRNVLY56	10/16/2015 9:53	59.6
GRNVL54R	10/16/2015 10:35	68.6	GRNVLY57	10/16/2015 10:45	53.4
GRNVL59R	10/16/2015 10:10	65.7	GRNVLY58	10/16/2015 10:42	53.2
GRNVL60R	10/16/2015 10:13	60.5	GRNVLY62	10/1/2015 11:19	57.2
GRNVLHW3	10/16/2015 9:17	61.5	GRNVLY66	10/16/2015 8:30	62.2
GRNVLHW4	10/28/2015 15:49	61.6	GRNVLY67	10/1/2015 9:48	59.6
GRNVLHW5	10/1/2015 10:05	59.9			

Extraction Wells < 48% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNVL54R	10/1/2015 11:42	39.6	GRNVLY01	10/1/2015 15:24	46.2
GRNVLHW1	10/16/2015 12:19	24.6	GRNVLY12	10/1/2015 12:52	43.7
GRNVLHW3	10/1/2015 10:26	38.2	GRNVLY19	10/1/2015 13:29	46.7
GRNVLHW4	10/16/2015 9:05	32	GRNVLY23	10/1/2015 13:55	46.5
GRNVLHW5	10/16/2015 8:59	33.4	GRNVLY24	10/1/2015 12:54	41.2
GRNVLHW6	10/1/2015 11:16	8.6	GRNVLY33	10/16/2015 13:39	40.5
GRNVLHW7	10/1/2015 10:22	47.1	GRNVLY61	10/16/2015 10:24	0.1
GRNVLHW9	10/1/2015 10:37	26.2	GRNVLY7R	10/1/2015 14:24	0.3

Green Valley Landfill
Wellfield SOP Summary
October 2015

Extraction Wells < 5 scfm Flow

Extraction Well ID	Date	Flow scfm	Extraction Well ID	Date	Flow scfm
GRNVL08R	10/16/2015 13:08	2.74	GRNVLY12	10/16/2015 12:10	0
GRNVL10R	10/16/2015 13:53	3.43	GRNVLY25	10/16/2015 14:06	0
GRNVL18R	10/16/2015 13:45	0	GRNVLY33	10/16/2015 13:41	2.74
GRNVLHW8	10/16/2015 9:02	0	GRNVLY56	10/16/2015 9:53	0
GRNVLHW9	10/16/2015 9:28	0	GRNVLY61	10/16/2015 10:24	4.78
GRNVLY03	10/16/2015 11:53	3.54			

Extraction Wells Oxygen > 1%

Extraction Well ID	Date	Oxygen %	Extraction Well ID	Date	Oxygen %
GRNV46R3	10/16/2015 8:36	2.9	GRNVLPW1	10/16/2015 9:20	1.8
GRNVLHW1	10/16/2015 12:19	1.6	GRNVLY24	10/16/2015 11:57	2.6
GRNVLHW6	10/16/2015 10:18	11.7	GRNVLY28	10/16/2015 12:05	1
GRNVLHW9	10/16/2015 9:28	6.4	GRNVLY61	10/16/2015 10:24	22.5

Extraction Wells Temperature > 120°F

Extraction Well ID	Date	Temperature degF	Extraction Well ID	Date	Temperature degF
GRNV27RR	10/16/2015 14:04	122.2	GRNVL32R	10/16/2015 13:50	127.4
GRNV47R2	10/16/2015 9:55	121.1	GRNVL38R	10/16/2015 13:56	123.1
GRNV64R2	10/16/2015 8:49	125.8	GRNVLY36	10/16/2015 13:04	126.1
GRNVL10R	10/16/2015 13:53	126.9	GRNVLY7R	10/16/2015 13:30	123.1

ATTACHMENT F

SSM Reports

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** GRNV65R3

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*	10/1/15 9:52	10/1/15 9:55	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 10/02/15 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:** GRNV52R2

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	10/1/15 11:48	10/1/15 11:51	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 10/02/15 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:** GRNVLY66

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	10/1/15 9:35	10/1/15 9:38	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 10/02/15 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:** GRNVLY67

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	10/1/15 9:48	10/1/15 9:51	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 10/02/15 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:** GRNV49R2

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	10/1/15 11:05	10/1/15 11:08	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 10/02/15 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:** GRNVL49R

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	10/1/15 11:00	10/1/15 11:03	0.05	6	☑	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 10/02/15 Signature: Zachary Ankney

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

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

Section 2 - Malfunction Events Only

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

NOTES: Abandonment of gas well 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:** GRNV65R2

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	10/1/15 9:47	10/1/15 9:50	0.05	6	☑	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 10/02/15 Signature: *Zachary Ankney*

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

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

Section 2 - Malfunction Events Only

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

NOTES: Abandonment of gas well 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:** GRNVL52R

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	10/1/15 11:43	10/1/15 11:46	0.05	6	☑	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 10/02/15 Signature: Zachary Ankney

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

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

Section 2 - Malfunction Events Only

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

NOTES: Abandonment of gas well 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:** GRNV65R3

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	10/9/15 15:12	10/9/15 15:14	0.03	17	☑	☐
Shutdown			0.00		☐	☐
Malfunction	10/9/15 14:45	10/9/15 15:12	0.45	17	Complete section 2 Below	

Date Form Filled Out: 11/09/15 Signature: *Paul Flory*

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

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

Section 2 - Malfunction Events Only

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

NOTES: Power outage

For Start-ups and Shutdowns

Note:

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

Code / Event

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

For Malfunctions

Notes:

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:** GRNV65R3

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	10/9/15 19:40	10/9/15 19:43	0.05	10	☑	☐
Shutdown			0.00		☐	☐
Malfunction	10/9/15 17:13	10/9/15 19:40	2.45	10	Complete section 2 Below	

Date Form Filled Out: 11/09/15 Signature: *Paul Flory*

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

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

Section 2 - Malfunction Events Only

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

NOTES: Air compressor needed to be restarted from previous power outage.

For Start-ups and Shutdowns

Note:

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

Code / Event

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

For Malfunctions

Notes:

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

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 59R

Site Information

Technician	Glen Tackett
Date	10/15/15
Site	Green Valley
Pump Type	AP4+
Pump ID	4 3357
Well Diameter	6in
Well Construction	HDPE
Depth to Liquid (ft)	47.6
Well Depth (ft)	77.6
Drill log Depth (ft)	n/a
Pump Set Depth (ft)	72
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	X		Count: 167874
Wellhead with compression fittings	X		
Hoses	X		
Hose Barbs	X		
Clamps	X		
Quick Connect Fittings	X		
Regulator	X		Setpoint (psi): 105
Regulator Particulat Filter	X		
Condensataion Trap	X		
FM Pressure	X		PSI 75

Pump Inspection

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

Comments

Cleaned and replaced.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 60R

Site Information

Technician	Glen Tackett
Date	10/15/15
Site	Green Valley
Pump Type	AP4+
Pump ID	4 1317
Well Diameter	6in
Well Construction	HDPE
Depth to Liquid (ft)	36
Well Depth (ft)	82
Drill log Depth (ft)	n/a
Pump Set Depth (ft)	80
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	X		Count: 124116
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		
Condensataion Trap	X		
FM Pressure	X		PSI 70

Pump Inspection

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

Comments

Cleaned and replaced.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 62

Site Information

Technician	Glen Tackett
Date	10/15/15
Site	Green Valley
Pump Type	AP4+
Pump ID	n/a
Well Diameter	6in
Well Construction	HDPE
Depth to Liquid (ft)	51.5
Well Depth (ft)	65
Drill log Depth (ft)	n/a
Pump Set Depth (ft)	64
Pump Operational	no

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	X		Count: 197702
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		
Condensataion Trap	X		
FM Pressure	X		PSI 70

Pump Inspection

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

Comments

Cleaned and reinstalled

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 63R2

Site Information

Technician	Glen Tackett
Date	10/15/15
Site	Green Valley
Pump Type	AP4+
Pump ID	na
Well Diameter	6in
Well Construction	HDPE
Depth to Liquid (ft)	33
Well Depth (ft)	61.5
Drill log Depth (ft)	n/a
Pump Set Depth (ft)	60
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	X		Count: 248730
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		
Condensataion Trap	X		
FM Pressure	X		PSI 75

Pump Inspection

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

Comments

Cleaned and reinstalled.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: LPW-2

Site Information

Technician	Glen Tackett
Date	10/15/15
Site	Green Valley
Pump Type	AP4+
Pump ID	4 3361
Well Diameter	6in
Well Construction	HDPE
Depth to Liquid (ft)	40.5
Well Depth (ft)	43
Drill log Depth (ft)	n/a
Pump Set Depth (ft)	41.5
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	X		Count: 273057
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		
Condensataion Trap	X		
FM Pressure	X		PSI 68

Pump Inspection

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

Comments

Replaced pump with a clean working one.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: RS1

Site Information

Technician	Glen Tackett
Date	10/15/15
Site	Green Valley
Pump Type	AP4+
Pump ID	4 5476
Well Diameter	6in
Well Construction	HDPE
Depth to Liquid (ft)	10.7
Well Depth (ft)	18.5
Drill log Depth (ft)	n/a
Pump Set Depth (ft)	18
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	X		Count: 1560
Wellhead with compression fittings	X		
Hoses	X		
Hose Barbs	X		
Clamps	X		
Quick Connect Fittings	X		
Regulator	X		Setpoint (psi): 100
Regulator Particulat Filter	X		
Condensataion Trap	X		
FM Pressure	X		PSI 80

Pump Inspection

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

Comments

Replaced pump with a clean working one.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: RS2

Site Information

Technician	Glen Tackett
Date	10/15/15
Site	Green Valley
Pump Type	AP4+
Pump ID	4 5474
Well Diameter	6in
Well Construction	HDPE
Depth to Liquid (ft)	11
Well Depth (ft)	18.5
Drill log Depth (ft)	n/a
Pump Set Depth (ft)	18
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	X		Count: 330063
Wellhead with compression fittings	X		
Hoses	X		
Hose Barbs	X		
Clamps	X		
Quick Connect Fittings	X		
Regulator	X		Setpoint (psi): 100
Regulator Particulat Filter	X		
Condensataion Trap	X		
FM Pressure	X		PSI 80

Pump Inspection

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

Comments

Replaced pump with a clean working one.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: RS3

Site Information

Technician	Glen Tackett
Date	10/15/15
Site	Green Valley
Pump Type	AP4+
Pump ID	na
Well Diameter	6in
Well Construction	HDPE
Depth to Liquid (ft)	16.3
Well Depth (ft)	18.5
Drill log Depth (ft)	n/a
Pump Set Depth (ft)	18
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	X		Count: NC
Wellhead with compression fittings	X		
Hoses	X		
Hose Barbs	X		
Clamps	X		
Quick Connect Fittings	X		
Regulator	X		Setpoint (psi): 100
Regulator Particulat Filter	X		
Condensataion Trap	X		
FM Pressure	X		PSI 80

Pump Inspection

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

Comments

Cleaned and reinstalled

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 41R2

Site Information

Technician	Glen Tackett
Date	10/15/15
Site	Green Valley
Pump Type	AP4+
Pump ID	4 15234
Well Diameter	8
Well Construction	pvc
Depth to Liquid (ft)	55.6
Well Depth (ft)	58.6
Drill log Depth (ft)	na
Pump Set Depth (ft)	57
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	X		Count: 528228
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		
Condensataion Trap	X		
FM Pressure	X		PSI 0

Pump Inspection

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

Comments

Cleaned and replaced,

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 29

Site Information

Technician	Glen Tackett
Date	10/15/15
Site	Green Valley
Pump Type	AP4+
Pump ID	4 13555
Well Diameter	8
Well Construction	pvc
Depth to Liquid (ft)	67
Well Depth (ft)	73
Drill log Depth (ft)	na
Pump Set Depth (ft)	70
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	X		Count: 120231
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		
Condensataion Trap	X		
FM Pressure	X		PSI 0

Pump Inspection

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

Comments

Replaced with clean working pump.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 21

Site Information

Technician	Glen Tackett
Date	10/15/15
Site	Green Valley
Pump Type	AP4
Pump ID	na
Well Diameter	8
Well Construction	pvc
Depth to Liquid (ft)	62
Well Depth (ft)	74
Drill log Depth (ft)	na
Pump Set Depth (ft)	72
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	X		Count: 3100
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		
Condensataion Trap	X		
FM Pressure	X		PSI 0

Pump Inspection

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

Comments

Cleaned and reinstalled.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 23

Site Information

Technician	Glen Tackett
Date	10/15/15
Site	Green Valley
Pump Type	AP4+
Pump ID	4 3418
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	58
Well Depth (ft)	49
Drill log Depth (ft)	na
Pump Set Depth (ft)	56
Pump Operational	yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	X		Count: 312
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		
Condensataion Trap	X		
FM Pressure	X		PSI 0

Pump Inspection

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

Comments

Replaced the pump with a working one.

Parts Required for Repair/Replacement

Monitoring Control and Compliance, Inc.

Site:	Green Valley
Well:	RW61
Date:	10/30/2015
Technician:	Glen Tackett

Well Physical Description

Wellhead Type	Landtec
Wellhead Size	2"
Well Construction Material	HDPE
Well Diameter	6in.
Stickup Height	4

Measurements

	From top of Casing* (Feet)
Depth to Water	50
Depth to Perforations	na
Depth to Pinch	na
Depth to Bottom	59

* As measured with the camera cable

Perforation Inspection

Type of Perforations	na
Condition of Perforations	Could not see theperfs.

Weld / Coupler Inspection

Footage to first coupler/weld	5ft
Condition of first coupler	good
Condition of couplers	
Condition of welds	OK

Other Items (Are these items present?)

Air Lines	yes
Condensate Lines	yes
Pump	yes
Elbows	no

Comments: Well is bent over a little but may be able to dig out and straighten it up.

Green Valley Landfill
Over 58% CH4 Table
October 2015

Well_ID	1/8/15	1/22/15	2/3/15	2/17/15	3/3/15	3/18/15	4/2/15	4/17/15	5/5/15	5/20/15	6/1/15	6/16/15	7/2/15	7/27/15	8/5/15	8/20/15	9/4/15	9/17/15	10/1/15	10/16/15	Field Comment	Suggested fix
GRNV17R2		59.6				59.5																
GRNV27RR					61.8																	Additonal Tuning
GRNV50R3						58																
GRNV64R2		59.4				58.9		58.9	59.1												max applied	
GRNV65R2	59.5		60.5			61.4															Previously out of compliance for O2	Additonal Tuning
GRNVL08R					58.3																	Additonal Tuning
GRNVL10R					63.5						63.2	62.4	61.7									Additonal Tuning
GRNVL13R		58	61.8	61.1		60.4				63.2	58.5		60	59.1							Pump has been repaired	Additonal tuning
GRNVL18R						58.4							58.1									Additonal tuning
GRNVL26R						58.4								59.4							Max applied	
GRNVL38R					67.2																	Additonal Tuning
~~GRNVL41R~~			~~61.7~~		~~64.1~~	~~62.1~~		~~63~~													~~DECOMMISSIONED~~	~~DECOMMISSIONED~~
GRNV41R2										61	61.4	63.3	63.1	63.4						58.6		Pull harder
GRNV43R2										61.7	61.6	60.5	61.2	61.3	60.7	61.3	61	60.2	60.9	61	Max applied	Additional Tuning
GRNV44R2										60.9	60.4	58.2						59.2	59.5	59.6		Pull harder
GRNV46R3										60.6											pump stalled due to FM pressure	Jet FM
~~GRNVL47R~~					~~61.1~~				~~58.8~~												~~DECOMMISSIONED~~	~~DECOMMISSIONED~~
GRNV47R2										62.5	61.7	59.1	59.3			59.3					New install	Additional tuning
GRNVL49R	62.2		58.4		62.2	61.1		62.1		62.5	63	61	61.7	61.3	60	61.5	59.5	60.6	58.2	60.3		Pull harder
GRNVL52R			58.2		62.3	63.3		63.7	63.1	61.5	60.3	60.2	59.4	58.8					65.3	63.5		Pull harder
GRNVL54R					63.9	66							58.8	60.6						68.6		Pull harder
GRNVL59R											62.6	60.7	61.8	62.8			61.8		61.9	65.7	Max applied	
GRNVL60R		61.2									59.3	61.8	63.3							60.5		Pull harder
GRNV63R2										59.9	61.1	61.5	61.3	61.6	60.3	60.3		60.8	61.2	58.2	max applied	Additonal Tuning
GRNV64R2										60.1				58.2			58.6			60	max applied	
GRNV65R3																			59.5	60	New install	
GRNVCO02							58.7														Max applied	
GRNVLHW1			64.1					65.8					59.1					61.2			Burp variance	Additonal Tuning
GRNVLHW3					61.8			63.9										61		61.5	Burp variance	Additonal Tuning
GRNVLHW4								62.6								59.5		61.1	60.9	61.6	Burp variance	Additonal Tuning
GRNVLHW5	63.2				62			61	60.2							60.6		60.6	59.9	59.5	Burp variance	Additonal Tuning
GRNVLHW6		59	59.4			62.9	59.2	62														Additonal Tuning
GRNVLHW7			60.2					60.5					59.7									Additonal Tuning
GRNVLHW8			59.9					59.7														Additonal Tuning
GRNVLHW9										60.9											New install	
GRNVLPW1					61	61.5		61.4		60.7			61			59.3	61	60.2	59.6			Pump stuck in well
GRNVLPW2			59.5		58.6		60.1	59	59.1				59.4					58.8	58.9	58.3	Max applied	Pump stuck in well
GRNVLY01					60.1	61.7	59.5							61.4							max applied	Additonal Tuning
GRNVLY02					62.5	61.3								58.7							max applied	Additonal Tuning
GRNVLY03	59.6	60.7			61.9	61.8	61.8	62.1	62.2	59.3			61.6	60.3	59						Max applied	
GRNVLY12			58.7			58.7		60.2													Max applied	
GRNVLY16		62.1				61			60.6					60.1							Max applied	
GRNVLY19						61																
GRNVLY20						60.2																
GRNVLY21						61.2		61.4	61.2	59.8	60.5	59.6	61.8	60.8	59.3	59.1		58.6	58.5		Max applied	
GRNVLY22		62.1				62.6	60.6	62.7	62.1	58.8				61.1	60.3						Max applied	
GRNVLY23					58.7	59.2	58.9	59	59.8					60.8	58.2							Additional tuning
GRNVLY24														58.7								Additional tuning
GRNVLY25						60																
GRNVLY28						59.3		60.7	60.6	60.1			60.8	59.5								Additonal Tuning
GRNVLY30			61.6			59		62.9					58.8									Additonal Tuning
GRNVLY31						59.1							59.8	60.4	59.1							Additonal Tuning
GRNVLY34						59.8																
GRNVLY35					59.3														58	59.4		Pull harder
GRNVLY36						58.8																
GRNVLY37					58.7	64.3																Additonal Tuning
GRNVLY55	58.3				62.7	60.7		62.3	62.2	61.6	61.4	60.7	61.2	59.6	60.3	59.6		59.7	59.2		Force main restricted	Jetting or Jumper Line
GRNVLY56					58	59.7							60.4							59.6	Max applied	
GRNVLY57					60.5	59.9		59.5													Max applied	
GRNVLY58					59.5	59.8		61.1														Additonal Tuning
GRNVLY61							68.6		59.5	63.8		62.6									Was out for O2 last round, FM pressure	Jet FM
GRNVLY61						60.2					58.3	59.1					58.9				was positive pressure	
GRNVLY66																			61.2	62.2	new install	
GRNVLY67																			59.6	59.2	new install	

Green Valley Landfill
Over 58% CH4 Table
October 2015

Total wells	5	8	12	1	23	35	8	23	13	18	14	14	23	21	9	9	6	12	16	19
58%																				
Monitoring points	63	63	63	63	63	63	63	63	63	63	64	64	64	64	64	64	64	64	66	66
Percentage	7.94%	12.70%	19.05%	1.59%	36.51%	55.56%	12.70%	36.51%	20.63%	28.57%	21.88%	21.88%	35.94%	32.81%	14.06%	14.06%	9.38%	18.75%	24.24%	28.79%
Month Total		January 12 19.05%		February 12 19.05%		March 44 69.84%		April 26 41.27%		May 24 38.10%		June 15 23.44%		July 31 48.44%		August 13 20.31%		Sept 15 23.44%		Oct 22 33.33%

LFG Extraction Well Liquid Levels
Site Name: Green Valley

OCTOBER 2015

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
GRNVLY21	GRNVLY21	10/15/15		4.5	62	74	Y		3100	Cleaned/replaced.
GRNVLY23	GRNVLY23	10/15/15		4.5	58	49	Y		312	Replaced pump with working one.
GRNVLY29	GRNVLY29	10/15/15		4	67	73	Y		120231	Replaced with clean working pump.
GRNV41R2	GRNV41R2	10/15/15		3	55.6	58.6	Y		528228	Cleaned/replaced.
GRNV44R2	GRNV44R2	10/15/15		5.5	35	90	Y		284	Cleaned/replaced. Has no air pressure.
GRNV46R3	GRNV46R3	10/15/15		4.5	32	92	Y		3135	Replaced pump with clean working one.
GRNV47R2	GRNV47R2	10/15/15		5	55	72	Y		758585	Cleaned/replaced.
GRNVL59R	GRNVL59R	10/15/15		3.5	47.6	77.6	Y		167874	Cleaned/replaced.
GRNVL60R	GRNVL60R	10/15/15		4	36	82	Y		124116	Cleaned/replaced.
GRNVLY61	GRNVLY61	10/2/15		4.5			Y		917186	Pulled/inspected pump. Damage to safety cable caused discharge line to disconnect from pump. Repaired safety cable and reattached discharge line. Pump now cycles properly. Back pressure on FM causing pump to stall.
GRNVLY62	GRNVLY62	10/15/15		5	51.5	65	Y		197702	Cleaned/replaced.
GRNV63R2	GRNV63R2	10/15/15		2.5	33	61.5	Y		248730	Cleaned/replaced.
GRNVLPW2	GRNVLPW2	10/15/15		4	40.5	43	Y		273057	Replaced pump with a clean working one.
RS1	RS1	10/15/15			10.7	18.5	Y		1560	Replaced pump with a clean working one.
RS2	RS2	10/15/15			11	18.5	Y		330063	Replaced pump with a clean working one.
RS3	RS3	10/15/15			16.3	18.5	Y			Cleaned/reinstalled. No counter.

Monitoring Control and Compliance, Inc.

December 11, 2015

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

Subject: Monthly LFG Report for November 2015
Green Valley Landfill – Ashland, Kentucky

Dear Mr. Cecil:

Monitoring Control and Compliance, Inc. (MCC) is submitting the following monthly landfill gas system monitoring and information report for the Green Valley Landfill using information collected during the month of November 2015.

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.
Ron Clark
Dana Oleniacz

NOVEMBER 2015 MONTHLY REPORT

Control System Operations

Initial Flare Readings

During the November 3, 2015 monitoring event, the gas quality at the blower inlet was 50.5% CH4, 34.0% CO2, 1.0% O2 and 14.5% balance gas. The applied vacuum to the wellfield was -26.88 inches of water and the flow was 860 SCFM.

Final Flare Readings

At the end of the tuning event on November 18, 2015, the gas quality going to the blower inlet was 50.1% CH4, 33.4% CO2, 1.1% O2 and 15.4% balance gas. The applied vacuum to the wellfield was -26.96 inches of water and the flow was 750 SCFM.

The flare operated for 139 hours with an average 508 SCFM during November 2015.

Table 1-1 Control System Down Time Report

Start time	End Time	Comments
11/16 1:08:00 AM	11/16 12:50:00 PM	Air compressor shut down on high temperature.

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

Monthly Wellhead Monitoring Results

There are a total of 66 monitoring points (associated with, and monitored, as part of the monthly monitoring events.

- Three (3) wells 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 operating procedures (SOP); see attachment E.
- Forty-three (43) wells exceeded the 52% methane target level set forth in the site's standard operating procedures (SOP); see attachment E.
- Seventeen (17) wells recorded methane concentrations below the site's SOP of 48% see attachment E.
- Three (3) wells recorded flow below the site's SOP of 5 SCFM see attachment E.

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

Equipment calibration information for the November 2015 Landfill Gas System Monitoring Data can also be viewed in Attachment C.

Wells found to be operating outside of Republic's standard operating procedures (SOP) during the month of November 2015 are shown in Attachment E.

Table 2-1 (below) indicates wells operating outside of the NSPS operational parameters for more than 15 days during the month of November 2015.

Table 2-1: November 2015 - Wells Operating Outside NSPS Standards for greater than 15 days

Extraction Well No.	Parameter	Comments
GRNVLHW6	O2	Operated outside NSPS standards from 9/4/15 through 11/18/15 (has burp variance). Back within standards on 11/18/15.
GRNVLHW9	O2	Operated outside NSPS standards from 6/1/15 through 11/3/15 (has burp variance). Back within NSPS standards from 11/3/15 through end of November 2015.
GRNVL60R	O2	Operated outside NSPS standards from 11/3/15 through end of November 2015.
GRNVLY61	O2	Operated outside NSPS standards from 7/27/15 through 11/18/15. Back within standards on 11/18/15 through end of November 2015.

Collection System Operations and Maintenance

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

- Zero wells were activated during the month of November 2015:
- Zero wells were decommissioned during the month of November 2015:
- Recorded pump counts; A copy of the pump counts are presented in Attachment G.
- The air compressor was serviced on 11/16/15.

Quarterly Surface Emissions Monitoring

The 4th quarter Initials Surface Emission Monitoring was performed on November 18, 2015. Two areas were found to be greater than the surface methane operational standard.

Perimeter Probe and Building Monitoring

The 4th quarter 2015 perimeter probe and on-site structure monitoring has been completed on November 18, 2015. Both areas passed the 10 day recheck on 11/25/15.

Recommendations

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

- HW01, EW04, and 65R2 need to be properly decommissioned.
- A pump cleaning station should be built to assist with pump maintenance.
- The lines to the continuous pilot will need to be insulated and heat traced before winter.
- The sump across from the flare should be insulated before winter.

This report contains the following appendices':

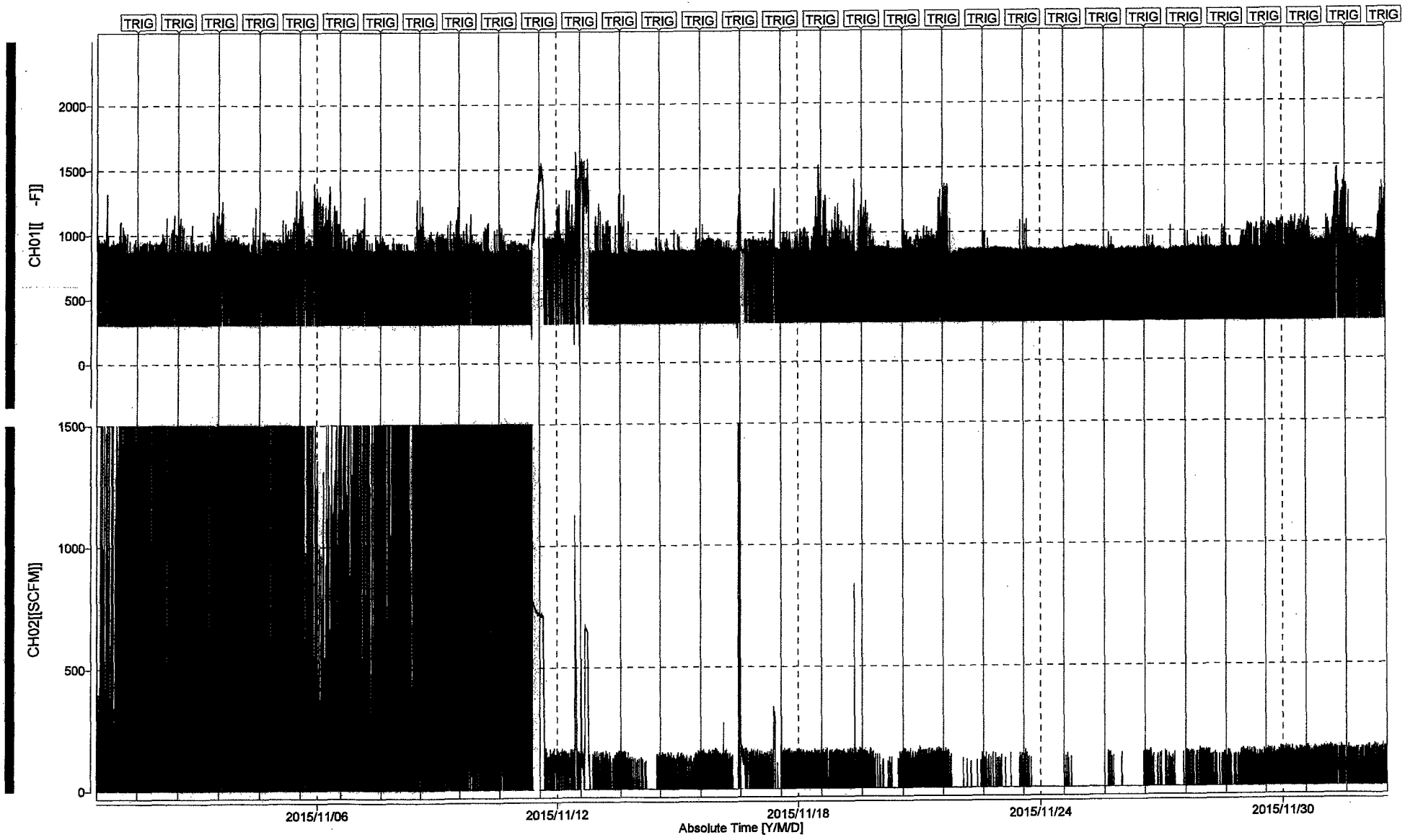
Attachment A – Flare Chart Records
Attachment B – Landfill Gas System Monitoring Data
Attachment C – Gas meter calibration records
Attachment D – O & M Form
Attachment E – Wellfield SOP summary
Attachment F– SSM Forms (if required)
Attachment G – Pump Count Table (if required)
Attachment H – Cover Integrity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

ATTACHMENT A

Flare Chart Records

File Name	: X3115045.DDS,...,Z0115045.DDS
Device Type	: FX100
Serial No.	: S5DB05975
File Message	:
Time Correction	: None
Starting Condition	: Auto
Dividing Condition	: Auto
Meas Ch.	: 5
Math Ch.	: 4
Printed Group	: FLARE DATA
Printed Range	: 2015/10/31 15:04:00.000 - 2015/12/02 13:56:00.000
Comment	:

Data Count	: 5760
Sampling Interval	: 480.000 sec
Start Time	: 2015/10/31 15:04:00.000
Stop Time	: 2015/12/02 13:56:00.000
Trigger Time	: 2015/12/02 13:56:00.000
Trigger No.	: 5759
Damage Check	: Not Damaged



ATTACHMENT B

Landfill Gas System Monitoring Data

Green Valley Landfill
Wellfield Monitoring Data - November 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
W17R2	11/3/15 11:07	49.2	35.3	0	15.5	102.3	-9.97		47.33		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W17R2	11/18/15 12:33	48.6	34.2	0	17.2	102.7	-7.94		46.61		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W27RR	11/3/15 11:30	48.9	37.5	0	13.6	114.3	-1.88		10.26		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W27RR	11/18/15 11:10	53.5	36.3	0	10.2	122	-1.46	-1.61	7.67	9.42	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W27RR	11/18/15 11:11	54.3	36.8	0	8.9	122.7	-1.82		9.87		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W41R2	11/3/15 8:55	53.1	33.2	0	13.7	109.2	-20.45		21.16		Valve Comment:"56837";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W41R2	11/18/15 9:46	52.4	32.7	0	14.9	109.2	-16.87		16.05		Valve Comment:"59762";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W43R2	11/3/15 8:52	60.3	38.4	0	1.3	100	-29.59		13.08		Valve Comment:"189649";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W43R2	11/18/15 9:44	60.4	37.5	0	2.1	99.3	-24.5		15.25		Valve Comment:"197848";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W44R2	11/3/15 8:05	58.5	38.2	0	3.3	105.1	-1.82	-2.23	35.93	41.5	Valve Comment:"284";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W44R2	11/3/15 8:07	58.6	39.2	0	2.2	106.9	-2.47		43.32		Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill
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Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
W44R2	11/18/15 9:02	41.1	29	6.4	23.5	108.1	-1.13	-0.43	47.93	35.3	Valve Comment:"284";Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
W44R2	11/18/15 9:02	40.9	28.3	6.2	24.6	106.7	-0.23		23.66		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W44R2	11/18/15 10:27	59	37.6	0	3.4	102.6	-0.29		25.05		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W46R3	11/3/15 8:15	52.1	36.2	2.6	9.1	95.5	-0.07		34.4		Valve Comment:"3443";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W46R3	11/18/15 9:08	59	38.4	0	2.6	97.5	-0.15	-0.2	27.79	29.92	Valve Comment:"3600";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W46R3	11/18/15 9:09	58.5	39.4	0	2.1	98.2	-0.2		27.79		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W47R2	11/3/15 9:13	53.8	36	0.9	9.3	122	-0.75		34.47		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W47R2	11/18/15 9:53	54.1	36.6	0.6	8.7	122	-0.49	-0.96	49.99	45.32	Valve Comment:"675948";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W47R2	11/18/15 9:54	54.5	37.3	0.7	7.5	122.2	-1.03		46.87		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV49R2	11/3/15 9:18	55.2	36.3	1.6	6.9	111.7	-13.85		13.33		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV49R2	11/18/15 9:57	59.6	37.8	0	2.6	110.1	-13.29	-13.89	12.92	14.36	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill
Wellfield Monitoring Data - November 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
GRNV49R2	11/18/15 9:57	60	38.2	0	1.8	111.4	-14.8		18.42		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W50R3	11/3/15 9:22	52.1	36	0	11.9	116.6	-14.8		7.64		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W50R3	11/18/15 10:20	48.9	35.1	0	16	114.1	-15.14		11.57		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV52R2	11/3/15 10:03	60.7	33.4	0	5.9	109.9	-0.53	-0.88	17.8	14.35	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV52R2	11/3/15 10:03	61.5	36.3	0	2.2	114.4	-1.39		19.35		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV52R2	11/18/15 10:23	62.2	36.1	0	1.7	103.8	0	-0.8	12.36	16.48	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV52R2	11/18/15 10:23	62.6	36.6	0	0.8	115.2	-1.96		25.12		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W63R2	11/3/15 11:50	59.3	34.1	0.8	5.8	77.9	-29.64		12.5		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W63R2	11/18/15 9:19	60.7	37.1	0.4	1.8	66.6	-29.68		11.14		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W64R2	11/3/15 8:24	59.5	39.4	0	1.1	120.9	-24.46		46.21		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W64R2	11/3/15 8:26	57.7	37.1	0.9	4.3	70.7	-25.15		7.93		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W64R2	11/18/15 9:16	58.5	39.4	0	2.1	121.6	-24.12		34.14		Valve Comment:"583985";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"Pump Maintenance Required"

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Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
GRNV65R3	11/3/15 8:20	59.7	39.2	0	1.1	100	0.04	-0.18	21.89	19.05	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV65R3	11/3/15 8:21	59.8	39.5	0	0.7	101.7	-0.33		29.75		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV65R3	11/18/15 9:14	59	38.9	0	2.1	100	-0.07	-0.37	22.94	23.88	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV65R3	11/18/15 9:14	59.3	39.5	0	1.2	103.1	-0.49		20.58		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W08R	11/3/15 11:10	50.9	35.1	0	14	89.8	-3.01		15.69		Valve Comment:"81008";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W08R	11/18/15 12:38	50.6	37.1	0	12.3	74.5	-1.02		5.81		Valve Comment:"81430";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W10R	11/3/15 11:25	46.9	37.3	0	15.8	119.7	-1.81	-1.63	0	0	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
W10R	11/3/15 11:26	47.1	38.1	0	14.8	118.8	-1.44		14.11		Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W10R	11/18/15 13:00	54.1	36.1	0	9.8	122.7	-0.7	-0.73	10.49	10.35	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W10R	11/18/15 13:01	54.3	37	0	8.7	124.3	-0.76		13.64		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill
Wellfield Monitoring Data - November 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
W13R	11/3/15 10:43	54.2	34.7	0.3	10.8	111	-15.83	-16.05	27.51	27.88	Valve Comment:"201864";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W13R	11/3/15 10:45	54	34.8	0.3	10.9	111.6	-16.39		31.7		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W13R	11/18/15 10:53	50.7	32.6	0.3	16.4	110.3	-15.23		26.02		Valve Comment:"205651";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W18R	11/3/15 11:19	51.6	34.1	0.1	14.2	94.5	-8.28		12.25		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W18R	11/18/15 12:52	49.1	34.3	1.2	15.4	91.9	-6.21		9.52		Valve Comment:"320";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W26R	11/3/15 10:34	52	35.6	0	12.4	98.6	-11.26		25.41		Valve Comment:"157303";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W26R	11/18/15 10:42	50.6	34.2	0	15.2	97.5	-11.26		25.03		Valve Comment:"157441";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W32R	11/3/15 11:22	52.2	35.5	0	12.3	127.9	-21.7		35.06		Valve Comment:"845294";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W32R	11/18/15 12:57	51.5	34.8	0.3	13.4	127.4	-19.8		26.02		Valve Comment:"855878";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W38R	11/3/15 11:20	47	35.7	0	17.3	121.2	-3.23	-3.14	9.27	36.07	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"

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Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
W38R	11/3/15 11:21	47.2	35.5	0	17.3	119.9	-3.11	-3.11	34.49	34.55	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W38R	11/18/15 13:03	50.2	35	0	14.8	118.6	-1.59		5.03		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W54R	11/3/15 9:57	57.7	24.3	0.5	17.5	117.3	-15.83		22.45		Valve Comment:"69837";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W54R	11/18/15 10:06	55.2	22.8	0.3	21.7	115.3	-14.45	-15.49	29.62	35.02	Valve Comment:"69838";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W54R	11/18/15 10:07	58.6	27.1	0.1	14.2	115.9	-17.39		41.95		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W59R	11/3/15 9:26	63.5	35.7	0	0.8	113.5	-26.53		16.44		Valve Comment:"170198";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W59R	11/18/15 10:18	62.1	32	0.3	5.6	112.3	-23.43		13.18		Valve Comment:"180435";Valve Adjustment:"No Change";Well Comment:"pump stuck in well";Well Condition:"Fair";Well Repairs:"No Repair Needed"
W60R	11/3/15 9:49	36.6	21.3	9.1	33	88.5	-0.1	-0.01	8.93	9.84	Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"
W60R	11/3/15 9:50	30.6	18.5	11.8	39.1	88.2	-0.03		17.34		Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"

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Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
W60R	11/18/15 10:15	31.4	15.6	11.8	41.2	73.4	-0.06	-0.06	17.48	8.14	Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"
W60R	11/18/15 10:16	30.3	14.6	12.2	42.9	73.4	-0.05		11.66		Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"
HW1	11/3/15 10:44	30.7	26.8	2.1	40.4	76.4	-0.06		15.07		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW1	11/18/15 10:51	49.8	32.9	0.2	17.1	70.3	-0.03		8.24		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW3	11/3/15 8:43	54	31.5	0.8	13.7	65.8	-0.26		10.66		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW3	11/18/15 9:33	49.9	30	2.3	17.8	65.5	-0.18		7.14		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	11/3/15 8:35	34.5	26.5	5.7	33.3	67.8	-3.1	-2.77	11.71	7.46	Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"No Repair Needed"
HW4	11/3/15 8:36	34	24.5	5.8	35.7	68.2	-1.89		11.75		Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair Needed"
HW4	11/3/15 11:47	51.6	32.1	0	16.3	73.6	0.08	-0.01	15.26	9.73	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	11/3/15 11:47	53.8	33.3	0	12.9	73	-0.22		13.79		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	11/18/15 9:25	52	34.8	0	13.2	69.4	-0.14		6.51		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	11/3/15 8:28	55	34.2	1.2	9.6	63.9	-2.43	-2.63	7.88	10.01	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill

Wellfield Monitoring Data - November 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
HW5	11/3/15 8:29	55.5	35.7	1.1	7.7	64.2	-3.24		17.2		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	11/18/15 9:21	39.3	27.6	5.8	27.3	62.2	-4.26	-3.87	12.24	10.53	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	11/18/15 9:21	39.4	27.1	5.8	27.7	61.9	-3.08		5.78		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	11/18/15 10:31	53	36.5	1	9.5	66.6	-0.38		7.7		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW6	11/3/15 9:44	19.8	15.4	14.5	50.3	69.1	-2.66	-2.65	7.88	7.32	Valve Comment:"valve completely closed ";Valve Adjustment:"No Change";Well Condition:"Fair";Well Repairs:"No Repair Needed"
HW6	11/3/15 9:45	28.8	17.8	10.5	42.9	75	-2.79		9.33		Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair Needed"
HW6	11/18/15 10:13	47.8	31.3	3.8	17.1	69.8	-0.11		6.51		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW7	11/3/15 8:41	55.4	38.8	0	5.8	91	-0.18	-0.44	28.45	29.46	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW7	11/3/15 8:42	56	38.8	0	5.2	91.4	-0.32		35.47		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW7	11/18/15 9:30	44.9	33.8	2.3	19	96.8	-0.42	-0.2	33.07	25.88	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW7	11/18/15 9:31	44.6	33	2.4	20	96.1	-0.15		13.97		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"

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Wellfield Monitoring Data - November 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
HW8	11/3/15 8:32	59.8	38.9	0	1.3	84.9	0.1	-0.02	13.48	14.61	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW8	11/3/15 8:33	59.7	39.3	0	1	86.2	-0.15		21.09		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW8	11/18/15 9:23	48.4	33.6	0.7	17.3	86.7	-0.09		16.99		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW9	11/3/15 8:48	58.8	37.8	0	3.4	74.7	0.15	-0.01	6.77	41.21	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW9	11/3/15 8:49	61	39	0	0	80.8	-0.04		39.68		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW9	11/18/15 9:40	50.7	34.7	1.4	13.2	77	0.12	-0.02	0	23.88	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW9	11/18/15 9:40	49	32.7	2	16.3	78.8	-0.04		21.01		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW1	11/3/15 8:45	56.7	33.2	0.8	9.3	77.5	-7.55		23.83		Valve Comment:"62690";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW1	11/18/15 9:35	53.6	34.2	1.7	10.5	75.4	-9.49		25.78		Valve Comment:"62690";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW2	11/3/15 8:38	58.4	38.5	0	3.1	116.2	-14.8	-17.21	21.09	19.61	Valve Comment:"285658";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW2	11/3/15 8:39	58.7	39.7	0	1.6	117	-19.46		23.29		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"

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Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
PW2	11/18/15 9:27	57.4	37.1	0	5.5	114.3	-19.33	-21.05	22.39	22.42	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW2	11/18/15 9:28	58.8	39.3	0	1.9	114.6	-21.79		24.21		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y01	11/3/15 11:32	50.6	32.4	0	17	84.2	-12.04		10.35		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y01	11/18/15 11:16	51.4	33	0	15.6	81.7	-12.04		8		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y02	11/3/15 11:34	50.5	38	0.5	11	106.5	-20.9		40.82		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y02	11/18/15 11:18	52.2	33.3	0.1	14.4	108.7	-21.01	-21.4	34.2	24.24	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y02	11/18/15 11:19	52.3	33.8	0	13.9	109.2	-23.47		37.06		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y03	11/3/15 10:26	57.1	35.9	0	7	100.2	-23.43		16.59		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y03	11/18/15 10:38	54.5	35.4	0	10.1	99.7	-28.26		12.71		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y12	11/3/15 10:38	50.4	34.4	0.1	15.1	99	-26.23		0		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y12	11/18/15 10:47	49.8	35.1	0.2	14.9	98.1	-26.88		0		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y16	11/3/15 11:03	52.2	35.9	0.2	11.7	93.8	-21.03		16.73		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y16	11/18/15 12:27	49.6	33.7	0.2	16.5	99.1	-18.21		23.09		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill
Wellfield Monitoring Data - November 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
Y19	11/3/15 10:49	47.7	33.8	0	18.5	91.8	-5.82	-5.52	11.27	11.64	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y19	11/3/15 10:50	48.1	33.7	0	18.2	91.6	-5.52		15.85		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y19	11/18/15 11:02	51.1	35	0	13.9	88.5	-3.63		10.41		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y20	11/3/15 10:53	49.9	35.7	0	14.4	107.7	-9.4		80.46		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y20	11/18/15 11:04	49.2	34.5	0	16.3	109.6	-6.99		67.54		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y21	11/3/15 10:56	56.4	35.9	0	7.7	101.7	-21.35		22.51		Valve Comment:"3180";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y21	11/18/15 12:17	56.4	36.2	0.1	7.3	100.2	-19.33		28.04		Valve Comment:"3180";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y22	11/3/15 10:59	52.1	35.7	0	12.2	84.2	-21.59		43.98		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y22	11/18/15 12:20	54.2	36.6	0.1	9.1	81	-17.86		16.01		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y23	11/3/15 10:59	49.5	35	0.1	15.4	84.7	-18.94		27.71		Valve Comment:"76720";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y23	11/18/15 12:23	47.4	34.4	0.2	18	83.7	-14.84	-14.02	23.16	23.06	Valve Comment:"93582";Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill
Wellfield Monitoring Data - November 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Flow (scfm)	Adj Flow (scfm)	Comments
Y23	11/18/15 12:23	47	34	0.2	18.8	83.7	-13.68		21.27		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y24	11/3/15 10:29	45.9	31.4	1.2	21.5	81	-5.18		9.72		Valve Adjustment:"No Change";Well Comment:"well influence ";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y24	11/18/15 10:40	41.7	30.1	0.3	27.9	75.4	-4.46		7.63		Valve Comment:"valve barely cracked ";Valve Adjustment:"No Change";Well Comment:"well influence ";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y25	11/3/15 11:29	50.6	33.6	0.3	15.5	112.6	-12.38		15.84		Valve Comment:"258588";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y25	11/18/15 11:14	51.5	35.8	0.3	12.4	110.8	-12.12		16		Valve Comment:"259973";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y28	11/3/15 10:36	53.2	35.7	0.9	10.2	108.3	-14.8		35.02		Valve Comment:"161735";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y28	11/18/15 10:45	53.4	35.9	0.7	10	107.6	-14.8		39.22		Valve Comment:"164204";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y29	11/3/15 11:26	0.2	0.1	21.8	77.9	91.4	0.99	-0.18	11.46	16.1	Valve Comment:"120260";Valve Adjustment:"Slightly Open";Well Comment:"tri tubing failure ";Well
Y29	11/3/15 11:27	0.1	0	21.8	78.1	89.1	-0.21		11.07		Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"
Y29	11/18/15 11:08	48.8	31.9	0.6	18.7	95.2	-0.55		39.27		Valve Comment:"120264";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"Pump

Green Valley Landfill
Wellfield Monitoring Data - November 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
Y30	11/3/15 10:41	51	32.4	0	16.6	82.2	-2.65		19.72		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y30	11/18/15 10:49	50.4	32.9	0	16.7	75.4	-1.6		25.64		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y31	11/3/15 10:47	55.4	35.7	0	8.9	109.4	-28.3		17.09		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y31	11/18/15 10:56	55.2	36.3	0	8.5	103.1	-24.89		11.66		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y33	11/3/15 11:17	37	30.1	0	32.9	92.5	-3.72		8.37		Valve Comment:"valve barely cracked ";Valve Adjustment:"No Change";Well Comment:"well influence ";Well
Y33	11/18/15 12:48	37.5	30	0	32.5	77.4	-1.81		5.8		Valve Comment:"valve barely cracked ";Valve Adjustment:"No Change";Well Comment:"well influence ";Well
Y34	11/3/15 10:49	52.1	36.2	0.4	11.3	101	-6.31		69.64		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y34	11/18/15 10:59	54.6	35.3	0.4	9.7	104.2	-5.48	-5.48	27.53	32.5	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y34	11/18/15 11:00	54.9	36.2	0.2	8.7	104.5	-5.52		25.75		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y35	11/3/15 11:13	57.8	36.2	0	6	97	-1.78	-1.86	10.62	7.48	Valve Comment:"21926";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No
Y35	11/3/15 11:14	60	37.7	0	2.3	100.8	-2.06		17.25		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y35	11/18/15 12:44	56.4	37	0	6.6	106.2	-0.39	-0.46	7.13	5.13	Valve Comment:"25251";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No

Green Valley Landfill
Wellfield Monitoring Data - November 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
Y35	11/18/15 12:45	56.9	37.9	0	5.2	106.3	-0.46		7.13		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y36	11/3/15 11:07	50.5	33.1	0	16.4	127.2	-20.02		45.66		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y36	11/18/15 12:36	50.5	34.5	0	15	126.7	-18.59		46.55		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y37	11/3/15 11:03	47.8	33.2	0	19	88	-16.82	-16.48	18.83	21.22	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y37	11/3/15 11:04	47.9	32.7	0	19.4	88	-16.13		23.65		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y37	11/18/15 12:30	46.9	33.5	0.1	19.5	86.9	-14.02	-13.63	24.37	23.6	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y37	11/18/15 12:31	47.2	32.9	0.1	19.8	86.7	-13.29		21.66		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y55	11/3/15 8:59	60.1	36.5	0	3.4	105.1	-29.64		23.63		Valve Comment:"10466";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No
Y55	11/18/15 9:48	57.3	35.9	0	6.8	105.4	-29.29		33.9		Valve Comment:"10624";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No
Y56	11/3/15 9:02	59.2	37.8	0	3	87.8	-29.68		0		Valve Comment:"115901";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No
Y56	11/18/15 9:51	58.2	37.3	0	4.5	86.4	-27.22		0		Valve Comment:"116172";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"Pump

Green Valley Landfill
Wellfield Monitoring Data - November 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
Y57	11/3/15 10:09	53.2	34.6	0	12.2	91.2	-11.69		15.86		Valve Comment:"370540";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No
Y57	11/18/15 10:00	52.2	36.4	0	11.4	89.8	-9.88		9.85		Valve Comment:"373085";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No
Y58	11/3/15 10:06	52.6	34.8	0.2	12.4	99.3	-16.39		48.24		Valve Comment:"5443";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No
Y58	11/18/15 10:02	52.4	35	0.3	12.3	98.8	-13.5		37.07		Valve Comment:"5611";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No
Y61	11/3/15 9:39	3.1	7.2	17.1	72.6	76.6	-24.46	-24.46	9.25	9.65	Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y61	11/3/15 9:40	3.2	7.2	17.1	72.5	76.6	-24.81		7.93		Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y61	11/3/15 12:01	25.5	15.2	11.6	47.7	87.6	-29.64	-29.51	3.92	1.48	Valve Comment:"valve barely cracked ";Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"No Repair
Y61	11/3/15 12:02	25.7	15.2	11.6	47.5	89.4	-30.33		7.82		Valve Comment:"valve barely cracked ";Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair
Y61	11/18/15 10:09	59.4	30.9	0.6	9.1	72.7	-7.59		15.92		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y62	11/3/15 9:42	55	31.7	1.4	11.9	71.6	-23.12		11.13		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y62	11/18/15 10:11	56.5	37.3	0.8	5.4	71.6	-18.59	-18.94	13.34	13.04	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y62	11/18/15 10:12	55.8	38.2	0.8	5.2	71.6	-21.35		13.25		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill
Wellfield Monitoring Data - November 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
GRNVLY66	11/3/15 8:11	60.9	39	0	0.1	98.1	0	-0.62	14.97	25.45	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY66	11/3/15 8:12	60.7	38.6	0	0.7	107.8	-0.93	-0.93	21.64	19.81	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY66	11/18/15 9:05	59.3	37.7	0	3	94.3	-0.64	-1.14	11.64	14.53	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY66	11/18/15 9:06	59.7	38.5	0	1.8	94.8	-1.78		40.1		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY67	11/3/15 8:17	52.9	35.3	2	9.8	115.3	-0.17		24.27		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY67	11/18/15 9:11	56.5	38.7	0.9	3.9	116.2	-0.03		20.81		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y7R	11/3/15 11:15	47	36.6	0.1	16.3	91	-10.45		10.54		Valve Comment:"510000";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y7R	11/18/15 12:41	45.6	32.9	0.3	21.2	79.5	-8.97		0.64		Valve Comment:"530000";Valve Adjustment:"No Change";Well Comment:"valve barely cracked ";Well Condition:"Good";Well Repairs:"Needs New Counter"
BOT2	11/3/15 7:44	50	33.8	0.9	15.3	56.5	-0.02	-0.02	140	140	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
CO02	11/3/15 10:13	59.6	35.9	0	4.5	72	-29.98		13.06		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	11/3/15 7:42	50.5	34	1	14.5	71.4	-26.88	-26.88	860	860	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill
Wellfield Monitoring Data - November 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
BLWIN	11/3/15 12:21	50.6	33.4	1	15	72.1	-30.63	-30.97	960	960	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	11/18/15 8:53	49.7	33.5	1.1	15.7	69.1	-27.22	-25.54	750	750	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	11/18/15 13:15	50.1	33.4	1.1	15.4	69.4	-26.96	-26.23	750	750	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLOUT	11/3/15 7:48	50.6	33.9	0.9	14.6	77.5	10.05	9.49	720	720	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLOUT	11/18/15 8:55	50.1	33.7	1	15.2	82.4	7.89	7.55	750	750	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLOUT	11/18/15 13:16	50.1	34	1.1	14.8	85.6	9.88	9.49	750	750	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
P01	11/18/15 14:01	0	13.2	4.7	82.1						Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
P02	11/18/15 13:46	0	2	17	81						Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
P03	11/18/15 13:35	0	4.3	14.9	80.8						Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
P04	11/18/15 13:55	0	0.3	20.7	79						Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Plant 1	11/3/15 12:25	51.1	34.5	0.9	13.5	93.7	7.77	7.94	730	730	Valve Comment:"No Totalizer";Valve Adjustment:"GHG Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill

Wellfield Monitoring Data - November 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
Flare 1	11/3/15 12:23	51.2	34.2	0.9	13.7	81.5	0.26	0.29	230	230	Valve Comment:"378909900 scf";Valve Adjustment:"GHG Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"

Total Number of Wells	63
Total Number of Well Readings	63
Total Number of Readings NOT Collected	0

Number of Wells With Methane < 48%	17
Number of Wells With Methane > 52%	43
Number of Wells With Methane > 58%	18
Number of Wells With Oxygen > 1%	8
Number of Wells With Temperature > 120°F	6
Number of Wells With Flow < 5 SCFM	3

ATTACHMENT C

Gas Meter Calibration Records

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	11/3/15
Meter Time:	7:36 AM
Meter Temperature:	72.7 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2610	0	-0.05
Methane	000000EE2542	48.43	48.68
Oxygen	000000EE2542	0	0
Oxygen	000000EE2610	4	3.87
CO2	000000EE2610	0	-0.05
CO2	000000EE2542	34.68	36
Available (high)	NA	0	-0.22
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.03

Meter Calibration Form

Technician:	Mike Bolander
Meter Serial #:	1011020
PDA ID:	NomadEA14C28525
Meter Date:	11/3/15
Meter Time:	10:33 AM

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE3108	0	0
Methane	000000EE3093	48.63	48.91
Oxygen	000000EE3093	0	-0.06
Oxygen	000000EE3108	4	4.04
CO2	000000EE3108	0	-0.01
CO2	000000EE3093	34.52	34.56
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.02
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:	11/3/15
Meter Time:	12:14 PM
Meter Temperature:	99.0 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2610	0	0.07
Methane	000000EE2542	48.43	48.62
Oxygen	000000EE2542	0	-0.03
Oxygen	000000EE2610	4	4.13
CO2	000000EE2610	0	0.03
CO2	000000EE2542	34.68	34.25
Available (high)	NA	0	0
Applied (low)	NA	0	0
Applied (high)	NA	0	0
Differential (low)	NA	0	0
Differential (high)	NA	0	0.01

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	11/18/15
Meter Time:	8:44 AM
Meter Temperature:	72.0 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2587	0	0.03
Methane	000000EE2568	48.43	48.28
Oxygen	000000EE2568	0	0
Oxygen	000000EE2587	4	3.88
CO2	000000EE2587	0	0.02
CO2	000000EE2568	34.68	34.26
Available (high)	NA	0	-1.12
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.02

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	11/18/15
Meter Time:	11:52 AM
Meter Temperature:	87.8 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2587	0	0.06
Methane	000000EE2568	48.43	48.02
Oxygen	000000EE2568	0	-0.01
Oxygen	000000EE2587	4	4.16
CO2	000000EE2587	0	0.02
CO2	000000EE2568	34.68	33.96
Available (high)	NA	0	0
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	-0.09
Differential (low)	NA	0	0
Differential (high)	NA	0	0.03

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	11/18/15
Meter Time:	1:12 PM
Meter Temperature:	89.3 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2587	0	-0.01
Methane	000000EE2568	48.43	48.81
Oxygen	000000EE2568	0	-0.04
Oxygen	000000EE2587	4	4.03
CO2	000000EE2587	0	-0.02
CO2	000000EE2568	34.68	34.73
Available (high)	NA	0	-0.04
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.02

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	11/18/15
Meter Time:	1:25 PM
Meter Temperature:	89.4 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2587	0	-0.05
Methane	000000EE2179	15	15.48
Oxygen	000000EE2568	0	-0.02
Oxygen		20.9	20.99
CO2	000000EE2587	0	0.06
CO2	000000EE2179	15	14.85
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	0.02

ATTACHMENT D

O & M Report

Monitoring Control and Compliance, Inc.

Green Valley Landfill
GCCS Major Components Checklist

Technician: Zack Ankney

Date: 11/3/2015

Flare Station / Skid Components

Item	Yes	No		Comments
Flare Operating in Automatic Mode	☐	☑		
Blower / flare operating properly	☐	☑		
Autodialer functioning	☐	☑		
VFD vacuum setpoint	In-W.C.		-32	
Motor operating properly	☑	☐		
Plant flow rate	SCFM		730	Flare Flow Rate: 230
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	%		18	Continuous pilot out for repair

Air Compressor Components

Item	Yes	No	Comments
Unit Operating in Automatic Mode	☑	☐	Hours: 18751; Temp: 192 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: 712237	All cycling properly
CK-2: 366805	
CK-3: 352517	
CK-4: 165215	
DL-7: 447543	
Toe Drain: 706649	
CK-H: 390135	

Additional Comments

Rental flow meter installed in plant line. Awating return from FCI after annual calibration

ATTACHMENT E

Wellfield SOP Summary

Green Valley Landfill
Wellfield SOP Summary
November 2015

Extraction Wells > 58% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV43R2	11/18/2015 9:44	60.4	GRNVL59R	11/3/2015 9:26	63.5
GRNV44R2	11/18/2015 10:27	59	GRNVLHW8	11/3/2015 8:32	59.8
GRNV46R3	11/18/2015 9:08	59	GRNVLHW9	11/3/2015 8:49	61
GRNV49R2	11/18/2015 9:57	60	GRNVLPW2	11/18/2015 9:28	58.8
GRNV52R2	11/18/2015 10:23	62.6	GRNVLY35	11/3/2015 11:14	60
GRNV63R2	11/18/2015 9:19	60.7	GRNVLY55	11/3/2015 8:59	60.1
GRNV64R2	11/3/2015 8:24	59.5	GRNVLY56	11/3/2015 9:02	59.2
GRNV65R3	11/3/2015 8:21	59.8	GRNVLY61	11/18/2015 10:09	59.4
GRNVL54R	11/18/2015 10:07	58.6	GRNVLY66	11/3/2015 8:11	60.9

Extraction Wells > 52% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV27RR	11/18/2015 11:11	54.3	GRNVLHW8	11/3/2015 8:32	59.8
GRNV41R2	11/3/2015 8:55	53.1	GRNVLHW9	11/3/2015 8:49	61
GRNV43R2	11/18/2015 9:44	60.4	GRNVLPW1	11/3/2015 8:45	56.7
GRNV44R2	11/18/2015 10:27	59	GRNVLPW2	11/18/2015 9:28	58.8
GRNV46R3	11/18/2015 9:08	59	GRNVLY02	11/18/2015 11:19	52.3
GRNV47R2	11/18/2015 9:54	54.5	GRNVLY03	11/3/2015 10:26	57.1
GRNV49R2	11/18/2015 9:57	60	GRNVLY16	11/3/2015 11:03	52.2
GRNV50R3	11/3/2015 9:22	52.1	GRNVLY21	11/3/2015 10:56	56.4
GRNV52R2	11/18/2015 10:23	62.6	GRNVLY22	11/18/2015 12:20	54.2
GRNV63R2	11/18/2015 9:19	60.7	GRNVLY28	11/18/2015 10:45	53.4
GRNV64R2	11/3/2015 8:24	59.5	GRNVLY31	11/3/2015 10:47	55.4
GRNV65R3	11/3/2015 8:21	59.8	GRNVLY34	11/18/2015 11:00	54.9
GRNVL10R	11/18/2015 13:01	54.3	GRNVLY35	11/3/2015 11:14	60
GRNVL13R	11/3/2015 10:43	54.2	GRNVLY55	11/3/2015 8:59	60.1
GRNVL26R	11/3/2015 10:34	52	GRNVLY56	11/3/2015 9:02	59.2
GRNVL32R	11/3/2015 11:22	52.2	GRNVLY57	11/3/2015 10:09	53.2
GRNVL54R	11/18/2015 10:07	58.6	GRNVLY58	11/3/2015 10:06	52.6
GRNVL59R	11/3/2015 9:26	63.5	GRNVLY61	11/18/2015 10:09	59.4
GRNVLHW3	11/3/2015 8:43	54	GRNVLY62	11/18/2015 10:11	56.5
GRNVLHW4	11/3/2015 11:47	53.8	GRNVLY66	11/3/2015 8:11	60.9
GRNVLHW5	11/3/2015 8:29	55.5	GRNVLY67	11/18/2015 9:11	56.5
GRNVLHW7	11/3/2015 8:42	56			

Extraction Wells < 48% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV44R2	11/18/2015 9:02	40.9	GRNVLY19	11/3/2015 10:49	47.7
GRNVL10R	11/3/2015 11:25	46.9	GRNVLY23	11/18/2015 12:23	47
GRNVL38R	11/3/2015 11:20	47	GRNVLY24	11/18/2015 10:40	41.7
GRNVL60R	11/18/2015 10:16	30.3	GRNVLY29	11/3/2015 11:27	0.1
GRNVLHW1	11/3/2015 10:44	30.7	GRNVLY33	11/3/2015 11:17	37
GRNVLHW4	11/3/2015 8:36	34	GRNVLY37	11/18/2015 12:30	46.9
GRNVLHW5	11/18/2015 9:21	39.3	GRNVLY61	11/3/2015 9:39	3.1
GRNVLHW6	11/3/2015 9:44	19.8	GRNVLY7R	11/18/2015 12:41	45.6
GRNVLHW7	11/18/2015 9:31	44.6			

Green Valley Landfill
Wellfield SOP Summary
November 2015

Extraction Wells < 5 scfm Flow

Extraction Well ID	Date	Flow scfm	Extraction Well ID	Date	Flow scfm
GRNVLY12	11/18/2015 10:47	0	GRNVLY7R	11/18/2015 12:41	0.64
GRNVLY56	11/18/2015 9:51	0			

Extraction Wells Oxygen > 1%

Extraction Well ID	Date	Oxygen %	Extraction Well ID	Date	Oxygen %
GRNVL18R	11/18/2015 12:52	1.2	GRNVLHW6	11/18/2015 10:13	3.8
GRNVL60R	11/18/2015 10:16	12.2	GRNVLHW7	11/18/2015 9:31	2.4
GRNVLHW3	11/18/2015 9:33	2.3	GRNVLHW9	11/18/2015 9:40	2
GRNVLHW5	11/18/2015 10:31	1	GRNVLPW1	11/18/2015 9:35	1.7

Extraction Wells Temperature > 120°F

Extraction Well ID	Date	Temperature degF	Extraction Well ID	Date	Temperature degF
GRNV27RR	11/18/2015 11:11	122.7	GRNVL10R	11/18/2015 13:01	124.3
GRNV47R2	11/18/2015 9:54	122.2	GRNVL32R	11/18/2015 12:57	127.4
GRNV64R2	11/18/2015 9:16	121.6	GRNVLY36	11/18/2015 12:36	126.7

ATTACHMENT F

SSM Reports

Startup/Shutdown/Malfunction Report Form

Monitoring Control and Compliance, Inc.

Landfill: Green Valley **Unit:** GRNV52R2

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	10/1/15 11:48	10/1/15 11:51	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 10/02/15 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:** GRNVLY66

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	10/1/15 9:35	10/1/15 9:38	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 10/02/15 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:** GRNVLY67

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	10/1/15 9:48	10/1/15 9:51	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 10/02/15 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:** GRNV65R3

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	10/1/15 9:52	10/1/15 9:55	0.05	6	☑	☐
Shutdown			0.00		☐	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 10/02/15 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
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- ☐ 5 Training
- ☑ 6 Gas System Construction/Expansion
- ☐ 7 Suspected Treatment System Malfunction
- ☐ 99 Other (Describe)

For Malfunctions

Notes:

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Code **Event**

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- ☐ 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	10/4/15 19:20	10/4/15 19:21	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	10/2/15 16:08	10/4/15 19:20	51.20	29	Complete section 2 Below	

Date Form Filled Out: 11/24/15 Signature: *Paul Hony*

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

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

Section 2 - Malfunction Events Only

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

NOTES: Flow meter reading max flow with no deviation

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 weliheads, 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	10/9/15 19:40	10/9/15 19:43	0.05	10	☑	☐
Shutdown			0.00		☐	☐
Malfunction	10/9/15 17:13	10/9/15 19:40	2.45	10	Complete section 2 Below	

Date Form Filled Out: 11/09/15 Signature: *Paul Flory*

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

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

Section 2 - Malfunction Events Only

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

NOTES: Air compressor needed to be restarted from previous power outage.

For Start-ups and Shutdowns

Note:

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

Code / Event

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

For Malfunctions

Notes:

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	11/16/15 12:50	11/16/15 12:54	0.07	10	☑	☐
Shutdown			0.00		☐	☐
Malfunction	11/16/15 11:08	11/16/15 12:50	1.70	10	Complete section 2 Below	

Date Form Filled Out: 12/11/15 Signature: *Paul Flory*

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

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

Section 2 - Malfunction Events Only

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

NOTES: Air compressor shut down on high temp

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

Best Available Copy

Technician: Paul Flory/Zack Ankney
Date: 2015

GREEN VALLEY PUMP COUNTER INFORMATION

Pumps	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
DL-7	354574	360751	361330	375275	383160	393800	401398	410086	420111	430142	432812	447543	
DL-8	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	
CK-1	587085	597136	607640	616958	625426	637105	649674	661482	672405	685101	697266	712237	
CK-2	267063	271873	275462	279617	283847	292388	301210	313481	328987	342507	352891	366805	
CK-3	134655	156625	177239	191461	208380	234365	254295	273255	293583	311322	327796	352517	
CK-4	112614	117128	117185	123617	139015	147687	149626	153029	158794	160568	162353	165215	
CK-H	72953	190722	235250	400956	595941	920787	954053	8248	295966	302453	351451	390135	
Toe Drain	574542	600997	601004	734031	909569	316960	416,494	429777	429777	498945	595949	706649	
GRNVLPW1	13506	13510	13510	27866	32348	44690	52,359	52422	60396	60396	62690	62690	
	20067	20067	20074	23313	42302	50415	55,176	154692	163674	246433	278773	285658	
RS1	332	341	341	1082	1082	1096	1,096	6386	11291	14403	1560	340747	
RS2	1564	1557	1557	1557	1557	1557	1,560	1560	1560	1560	380053	5182	
RS3							205	No Counter	200	200	NO COUNT	NO COUNT	
GRNVLY04	295052	DECOM	DECOM	DECOM	DECOM	DECOM	DECOM	DECOM	DECOM	DECOM	DECOM	DECOM	
GRNVLY7R	193730	213038	224133	296710	319138	379659	424078	452974	452974	490000	500000	530000	
GRNVL08R	70471	71211	71737	73640	74385	76129	77001	78284	78628	80090	80623	81430	
GRNVL10R	608	608	608	608	608	612	612	612	612	612	612	612	
GRNVL13R	153277	155525	157755	161294	161477	167527	169786	176489	183106	190725	196164	205651	
GRNVL18R	295	295	295	295	295	295	297	304	304	304	304	320	
GRNVLY21	70	70	70	96	96	96	363	713	713	713	3180	3180	
GRNVLY23	204	204	204	204	204	204	204	217	217	217	13992	93582	
GRNVLY25	201803	204096	205063	213931	218863	229204	236186	242506	242506	249594	254910	259973	
GRNVL26R	156954	156954	156954	156954	156954	156954	156954	156964	156964	156966	157303	157441	
	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	
GRNVLY28	85378	89133	91130	105270	111597	123147	129679	140034	146660	153959	155440	164204	
GRNVLY29	120186	120186	120186	120186	120186	120201	120201	120201	120211	120211	120258	120264	
	844703	845294	845294	845294	845294	845294	845294	845294	845294	845294	845294	855878	
GRNVLY35	19652	19652	19652	19654	19654	19654	19654	19654	19686	20242	21926	25251	
	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	
GRNVL41R	98744	98756	98773	98796	98796	Removed	Removed	Removed	Removed	Removed	Removed	Removed	
GRNV41R2							19073	38906	40996	48619	52978	61110	
GRNV43R2							53872	104678	114331	160749	179221	197848	
GRNV44R2							260	263	275	275	284	284	
GRNV46R3							961	3133	3133	3135	3256	3600	
GRNV47R2							168601	371653	462700	578566	594083	675948	
GRNVL49R	5411	9296	9793	13623	16959	22432	33852	52832	73896	91169	DECOM	DECOM	
	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	
GRNVL54R	472808	495387	497012	510882	5993	43275	43275	43275	58219	69828	69833	69838	
GRNVLY55	2053	2179	7651	7663	7663	7663	8091	8541	9425	10043	10171	10624	
GRNVLY56	59805	60609	62086	64882	65012	65991	91166	104095	105818	115901	115901	116172	
GRNVLY57	11721	12209	12424	13518	13845	14639	15148	324727	326430	327516	369353	373085	
GRNVLY58	303	303	305	2172	2950	3625	3636	4159	4518	4832	5245	5611	
GRNVL59R	116803	120409	121569	122299	123412	127113	130646	135990	143970	153982	167874	180435	
GRNVL60R	240	241	241	251	251	251	22176	123784	123745	124091	124116	194900	
GRNVLY61	873205	873205	873210	885153	885153	Too tall	Too tall	906899	917156	917178	917186	918482	
GRNVLY62	45950	46121	29979	46131	46131	46139	122871	146179	160280	188224	197702	197789	
GRNVL63R2							13285	77128	140079	226228	248730	264193	
GRNV64R2	816335	13323	299791	300866	313659	366641	398934	472746	486374	542945	574606	583985	

pump stuck

ATTACHMENT H

Cover Integrity Inspection

Monthly Cover Integrity Inspection

Surface Monitoring Design Plan

LANDFILL: Green Valley - 2015

Month	Cover Integrity problems found during the inspection	Date Site Notified MCC/Republic Initials	Date Repairs Made Republic Initials	Site Remediation
January 2015	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and north slope. North slope, south slope and top deck have been seeded. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote. Erosion patterns near RS1 and RS2.	1/22/2015 ZA		
February 2015	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and North slope. North slope, south slope and top deck have been seeded. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote. Erosion patterns near RS1 and RS2. Leachate seep near toe drain on Unit I.	2/3/2015 ZA		
March 2015	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and North slope. North slope, south slope and top deck have been seeded. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote have been addressed. Erosion patterns near RS1 and RS2. Leachate seep near toe drain on Unit I. North slope of Unit II was snow covered during inspection.	3/3/2015 ZA		
April 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and North slope. North slope, south slope and top deck have been seeded. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote have been addressed. Erosion patterns near RS1 and RS2. Leachate seep near toe drain on Unit I. Leachate seeps forming on North slope of Unit II near HW5 remote and between PW2 and HW3.	4/2/2015 ZA		
May 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36. Site is addressing erosion and seeps on Unit II. North slope has been completely regraded and looks great. Some lingering leachate stains near HW5, RS1, and RS2. Erosion rills on Unit I between EW17R2 and EW36. Leachate seep near toe drain on Unit I.	5/5/2015 ZA		
June 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36. Site is addressing erosion and seeps on Unit II. North slope has been completely regraded and looks great. Some lingering leachate stains near HW5, RS1, and RS2. Erosion rills on Unit I between EW17R2 and EW36. Leachate seep near toe drain on Unit I.	6/1/2015 ZA		
July 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36. Site is addressing erosion and seeps on Unit II. North slope has been completely regraded and looks great. Some lingering leachate stains near HW5, RS1, and RS2. Minor gas seeps between HW5 and HW7. Erosion rills on Unit I between EW17R2 and EW36. Erosion rills forming in the bottom third of North slope of Unit II most likely due to severity of grade.	7/2/2015 ZA		
August 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36 and near EW16. Site is addressing erosion and seeps on Unit II. North slope has been completely regraded and looks great. Some lingering leachate stains near HW5, RS1, and RS2. Minor gas seeps between HW5 and HW7. Erosion rills on Unit I between EW17R2 and EW36. Erosion rills forming in the bottom third of North slope of Unit II most likely due to severity of grade.	8/5/2015 ZA		
September 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36 and near EW16. Site is addressing erosion and seeps on Unit II. North slope has been completely regraded. Erosion patterns forming on North slope after regrading. Some lingering leachate stains near HW5, RS1, and RS2. Minor gas seeps between HW5 and HW7. Erosion rills on Unit I between EW17R2 and EW36.	9/4/2015 ZA		
October 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36 and near EW16. Site is addressing erosion and seeps on Unit II. North slope has been completely regraded. Erosion patterns forming on North slope after regrading. Some lingering leachate stains near HW5, RS1, and RS2. Erosion rills on Unit I between EW17R2 and EW36.	10/2/2015 ZA		
November 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36 and near EW16. Erosion patterns forming on North slope after regrading. Some lingering leachate stains near HW5, RS1, and RS2. Erosion rills on Unit I between EW17R2 and EW36. Site is currently seeding all areas void of proper vegetation. Site is also working to repair areas affected by damaged leachate line near DL-7.	11/3/2015 ZA		
December 2015				

ATTACHMENT I

Additional Miscellaneous Information

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW-18R

Site Information

Technician	Mike Bolander
Date	11/17/15
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-1657
Tri-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	
Well Depth (ft)	
Drill log Depth (ft)	
Pump Set Depth (ft)	
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 317/320
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 100
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Adjusted safety cable. Replaced Kanaflex. Cycling properly.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW-57

Site Information

Technician	Mike Bolander
Date	11/17/15
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-9557
Tri-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	
Well Depth (ft)	
Drill log Depth (ft)	
Pump Set Depth (ft)	
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 373076/373085
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 100
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Cycling properly.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW-58

Site Information

Technician	Mike Bolander
Date	11/17/15
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-????
Tri-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	
Well Depth (ft)	
Drill log Depth (ft)	
Pump Set Depth (ft)	
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 5590/5607
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 100
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Cycling properly.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 60R

Site Information

Technician	Mike Bolander
Date	11/25/15
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-1317
Tri-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	
Well Depth (ft)	
Drill log Depth (ft)	
Pump Set Depth (ft)	
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 194900
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 100
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Adjusted safety cable. Adjust tri-tubing. Cycling properly.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW-41R2

Site Information

Technician	Mike Bolander
Date	11/25/15
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3411
Tri-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	
Well Depth (ft)	
Drill log Depth (ft)	
Pump Set Depth (ft)	
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 61110
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 100
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Pulled, inspected, and cleaned pump. Adjusted safety cable. Adjust tri-tubing. Cycling properly.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: Spare pump

Site Information

Technician	Mike Bolander
Date	11/25/15
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3410
Tri-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	
Well Depth (ft)	
Drill log Depth (ft)	
Pump Set Depth (ft)	
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 0
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 100
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Worked on a spare pump, Replace quick fitting for air intake and adjust exhaust.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: Spare pump

Site Information

Technician	Mike Bolander
Date	11/25/15
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-9558
Tri-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	
Well Depth (ft)	
Drill log Depth (ft)	
Pump Set Depth (ft)	
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 0
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 100
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			PSI
FM Pressure			PSI

Pump Inspection

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

Comments:

Worked on a spare pump,and cleaned.

Parts Required for Repair/Replacement

Green Valley Landfill
Over 58% Methane Table
November 2015

Well ID	1/8/15	1/22/15	2/3/15	2/17/15	3/3/15	3/18/15	4/2/15	4/17/15	5/5/15	5/20/15	6/1/15	6/16/15	7/2/15	7/27/15	8/5/15	8/20/15	9/4/15	9/17/15	10/1/15	10/16/15	11/3/15	11/17/15	Field Comment	Suggested fix
GRNV17R2		59.6				59.5																		Additonal Tuning
GRNV27RR					61.8																			
GRNV50R3						58																	max applied	
GRNV64R2		59.4				58.9		58.9	59.1														Previously out of compliance for O2	Additonal Tuning
GRNV65R2	59.5		60.5			61.4																		Additonal Tuning
GRNVL08R					58.3																			Additonal Tuning
GRNVL10R					63.5						63.2	62.4	61.7										Pump has been repaired	Additional tuning
GRNVL13R		58	61.8	61.1		60.4				63.2	58.5		60	59.1									Additional tuning
GRNVL18R						58.4							58.1											
GRNVL26R						58.4								59.4									Max applied	
GRNVL38R					67.2																			Additonal Tuning
~~GRNVL41R~~			~~61.7~~		~~64.1~~	~~62.1~~		~~63~~															~~DECOMMISSIONED~~	~~DECOMMISSIONED~~
GRNV41R2										61	61.4	63.3	63.1	63.4						58.6				Pull harder
GRNV43R2										61.7	61.6	60.5	61.2	61.3	60.7	61.3	61	60.2	60.9	61	60.3	60.4	Max applied	Additional Tuning
GRNV44R2										60.9	60.4	58.2						59.2	59.5	59.6	58.6	59		Pull harder
GRNV46R3										60.6												59	pump stalled due to FM pressure	Jet FM
~~GRNVL47R~~					~~61.1~~				~~58.8~~														~~DECOMMISSIONED~~	~~DECOMMISSIONED~~
GRNV47R2										62.5	61.7	59.1	59.3			59.3							New install	Additional tuning
GRNVL49R	62.2		58.4		62.2	61.1		62.1		62.5	63	61	61.7	61.3	60	61.5	59.5	60.6	58.2	60.3		60		Pull harder
GRNVL52R			58.2		62.3	63.3		63.7	63.1	61.5	60.3	60.2	59.4	58.8					65.3	63.5	61.5	62.6		Pull harder
GRNVL54R					63.9	66							58.8	60.6						68.6		58.6		Pull harder
GRNVL59R											62.6	60.7	61.8	62.8			61.8		61.9	65.7		62.1	Max applied	
GRNVL60R		61.2									59.3	61.8	63.3							60.5	63.5		max applied	
GRNV63R2										59.9	61.1	61.5	61.3	61.6	60.3	60.3		60.8	61.2	58.2	59.3	60.7	max applied	
GRNV64R2										60.1				58.2			58.6			60	59.5	58.5	max applied	
GRNV65R3																			59.5	60	59.8	59.3	New install	
GRNVCO02							58.7														59.6		Max applied	
GRNVLHW1			64.1					65.8					59.1					61.2				Burp variance	Additonal Tuning
GRNVLHW3					61.8			63.9										61		61.5			Burp variance	Additonal Tuning
GRNVLHW4								62.6								59.5		61.1	60.9	61.6			Burp variance	Additonal Tuning
GRNVLHW5	63.2				62			61	60.2							60.6		60.6	59.9	59.5			Burp variance	Additonal Tuning
GRNVLHW6		59	59.4			62.9	59.2	62																Additonal Tuning
GRNVLHW7			60.2					60.5					59.7											Additonal Tuning
GRNVLHW8			59.9					59.7													59.8			
GRNVLHW9										60.9											61		New install	
GRNVLPW1					61	61.5		61.4		60.7			61			59.3	61	60.2	59.6					Pump stuck in well
GRNVLPW2			59.5		58.6		60.1	59	59.1				59.4					58.8	58.9	58.3	58.7	58.8	Max applied	Pump stuck in well
GRNVLY01					60.1	61.7	59.5							61.4									max applied	Additonal Tuning
GRNVLY02					62.5	61.3								58.7									max applied	Additonal Tuning
GRNVLY03	59.6	60.7			61.9	61.8	61.8	62.1	62.2	59.3			61.6	60.3	59								Max applied	
GRNVLY12			58.7			58.7		60.2															Max applied	
GRNVLY16		62.1				61			60.6					60.1									Max applied	
GRNVLY19						61																		
GRNVLY20						60.2																		
GRNVLY21						61.2		61.4	61.2	59.8	60.5	59.6	61.8	60.8	59.3	59.1		58.6	58.5				Max applied	
GRNVLY22		62.1				62.6	60.6	62.7	62.1	58.8				61.1	60.3								Max applied	
GRNVLY23					58.7	59.2	58.9	59	59.8					60.8	58.2									Additional tuning
GRNVLY24														58.7										Additional tuning
GRNVLY25						60																		
GRNVLY28						59.3		60.7	60.6	60.1			60.8	59.5										Additonal Tuning
GRNVLY30			61.6			59		62.9					58.8											Additonal Tuning
GRNVLY31						59.1							59.8	60.4	59.1									Additonal Tuning
GRNVLY34						59.8																		
GRNVLY35					59.3														58	59.4	60			Pull harder
GRNVLY36						58.8																		
GRNVLY37					58.7	64.3																		Additonal Tuning
GRNVLY55	58.3				62.7	60.7		62.3	62.2	61.6	61.4	60.7	61.2	59.6	60.3	59.6		59.7	59.2		60.1		Force main restricted	Jetting or Jumper Line
GRNVLY56					58	59.7							60.4							59.6	59.2	58.2	Max applied	
GRNVLY57					60.5	59.9		59.5															Max applied	
GRNVLY58					59.5	59.8		61.1																Additonal Tuning
GRNVLY61						60.2					58.3	59.1					58.9					59.4	was positive pressure	
GRNVLY66																			61.2	62.2	60.9	59.7	new install	
GRNVLY67																			59.6	59.2			new install	

Total wells 58%	5	8	12	1	23	35	8	23	13	18	14	14	23	21	9	9	6	12	16	19	15	14
Monitoring points	63	63	63	63	63	63	63	63	63	63	64	64	64	64	64	64	64	64	66	66	66	66
Percentage	7.94%	12.70%	19.05%	1.59%	36.51%	55.56%	12.70%	36.51%	20.63%	28.57%	21.88%	21.88%	35.94%	32.81%	14.06%	14.06%	9.38%	18.75%	24.24%	28.79%	22.73%	21.21%

	January	February	March	April	May	June	July	August	Sept	Oct	November
Month Total	12	12	44	26	24	15	31	13	15	22	20
	19.05%	19.05%	69.84%	41.27%	38.10%	23.44%	48.44%	20.31%	23.44%	33.33%	30.30%

LFG Extraction Well Liquid Levels
Site Name: Green Valley

NOVEMBER 2015

Well ID	Well ID (GEM/ Envision ID)	Date of Reading	Ground Surface Elevation at time of Liquid Level Measurement (ft)	TOC to Ground Surface (Measured in Field) (ft)	TOC to Liquid (ft)	TOC to bottom of well or obstruction (ft)	Pump Installed?	TOC to top of Pump (ft)	Pump Cycle Count	Comments
GRNVL18R	GRNVL18R	11/17/15					Y		320	Pulled, inspected, and cleaned pump. Adjusted safety cable. Replaced Kanaflex. Cycling properly.
GRNVLY57	GRNVLY57	11/17/15					Y		373085	Pulled/inspected/cleaned pump. Cycling properly.
GRNVLY58	GRNVLY58	11/17/15					Y		5607	Pulled/inspected/cleaned pump. Cycling properly.

Calibration Precision Record

Monitoring Control and Compliance, Inc.

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

Monitoring Date: Wednesday, November 25, 2015 Performed By: Mike Bolander

Time: 9:00:00 Expiration Date 2/25/2015

Instrument Make/Model: PHOTOVAC MICRO FID Serial Number CZUD313

Calibration Gas Standard: 500.0 ppm CH4 (STD)

Measurement #1:

Meter Reading for zero air 0.0 ppm (1)

Meter Reading for Calibration Gas: 502.4 ppm (2)

Measurement #2:

Meter Reading for zero air 0.0 ppm (3)

Meter Reading for Calibration Gas: 501.1 ppm (4)

Measurement #3:

Meter Reading for zero air 0.0 ppm (5)

Meter Reading for Calibration Gas 500.3 ppm (6)

Calculate Precision:

= **-0.25** % (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 (4th Quarter 10-Day Rechecks)**

Monitoring Date: Wednesday, November 25, 2015 Time: 9:00:00

Instrument Make/Model: PHOTOVAC MICRO FID Serial Number CZUD313

Measurement #1

Stabilized Reading using calibation gas	502.4	ppm
90% of the stabilized reading =	452.16	ppm
Time to reach 90% of stabilized reading after switching from zero air to calibration gas.	17	seconds (1)

Measurement #2

Stabilized reading using calibration gas	501.1	ppm
90% of the stabilized reading =	450.99	ppm
Time to reach 90% of stabilized reading after switching from zero air to calibration gas.	14	seconds (2)

Measurement #3

Stabilized reading using calibration gas	500.3	ppm
90% of the stabilized reading =	450.27	ppm
Time to reach 90% of stabilized reading after switching from zero air to calibration gas.	11	seconds (3)

Calculate Response Time = 14.00 seconds (must be less than 30 seconds

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

Performed By: Mike Bolander Date: 11/25/15

Calibration Procedure and Background Report

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

Instrument Make/Model: PHOTOVAC MICRO FID Serial Number CZUD313

Calibration Procedure

1. Allow instrument to zero itself while introducing zero air.
2. Introduce calibration gas into the probe.
   Stabilized reading = 505.1 ppm
3. Adjust meter settings to read 500 ppm

Backround Determination Procedure

1. Upwind background reading (highest in 30 seconds) 0 ppm (1)
2. Downwind reading (highest in 30 seconds) 0 ppm (2)

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

Background = 0 ppm

Performed By: Mike Bolander

Date: 11/25/15 Time 9:00:00

Quarterly Surface Monitoring Log Sheet

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

Performed By: Mike Bolander

Date: Wednesday, November 25, 2015

Start Time: 9:30:00

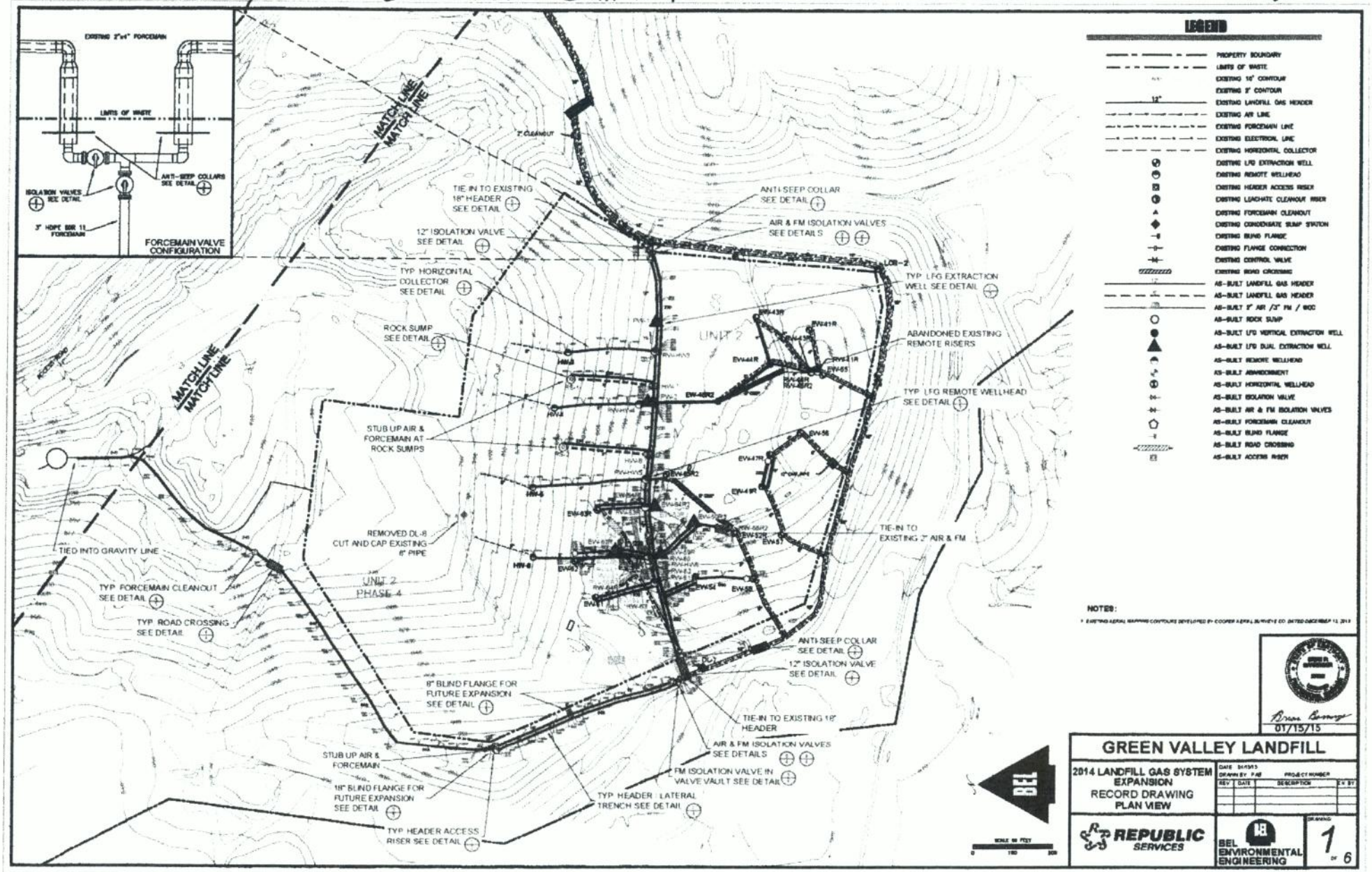
Exceedance Identifier	Location and Time	Concentration of Exceedance (ppm)
Hit 1	20 feet North of 65R3 / 09:40	109.2
Hit 2	40 feet North of 46R / 09:50	121.8

WEATHER CONDITIONS:

Temperature:	60 ° F
Barametric Pressure:	30 In.
Wind Speed/Direction:	Light Wind 4mph.(SE)
Conditions:	

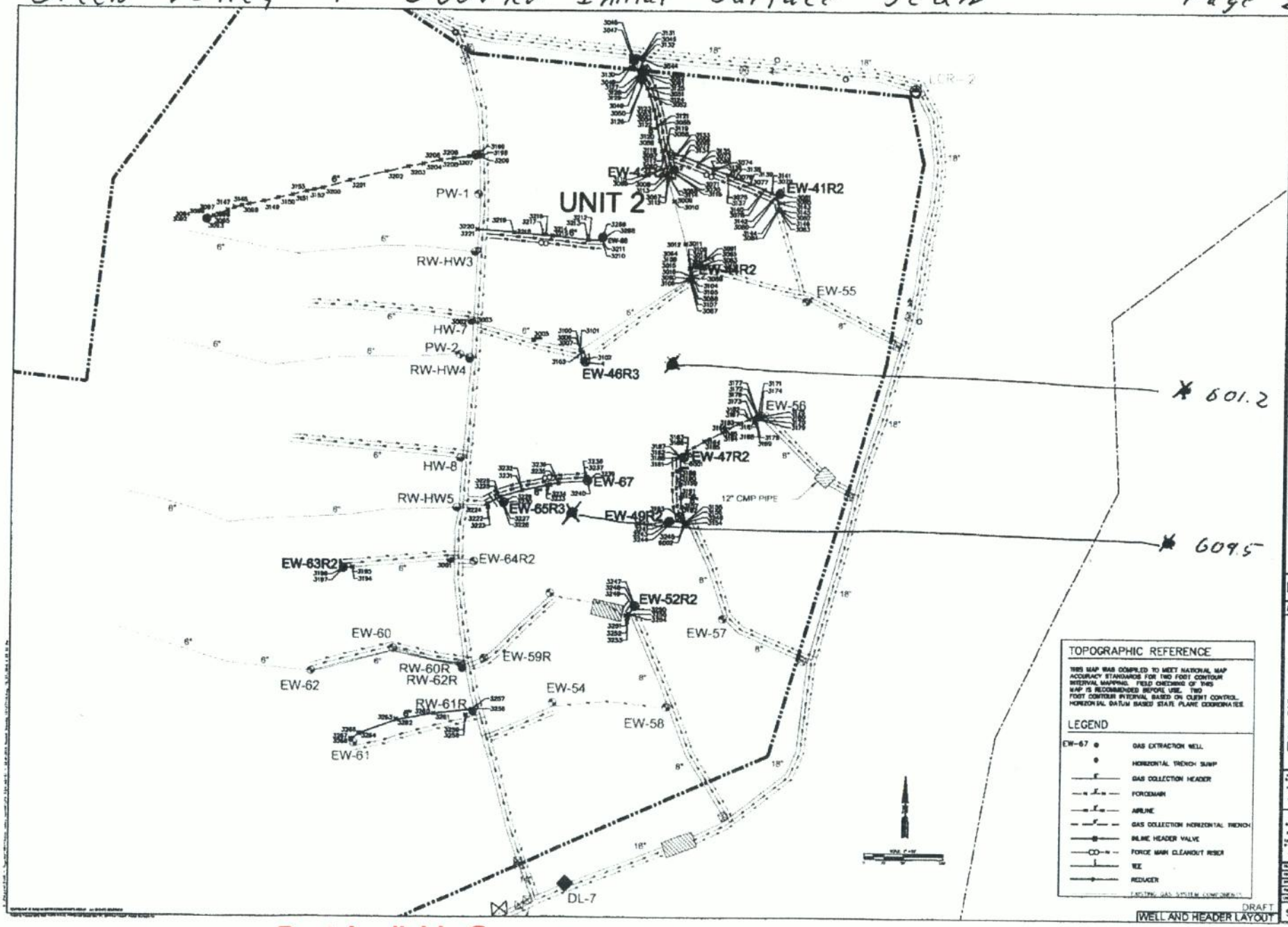
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Green Valley 4th Quarter Initial Surface Scan



Green Valley 4th Quarter Initial Surface Scan

Page 2 of



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GAS PROBE MONITORING
Green Valley Landfill
4th Quarter 2015

Date: 11/18/2015 *PERSONNEL:* Zachary Ankney

PROBE ID	STATIC PRESSURE	METHANE %	LEL %	OXYGEN %	DEPTH TO WATER ft.	COMMENTS
MP1	0.0	0.0	0.0	4.7	14.6	
MP2	0.0	0.0	0.0	17	12.5	
MP3	0.0	0.0	0.0	14.9	132.3	
MP4	0.0	0.0	0.0	20.7	33.6	

Notes:

Indicator: Envision Firm: MCC
Calibration gas: 15% Methane: 15% Carbon Dioxide:
Weather Conditions: Cloudy/Wind
Temperature: 72 F

Certification: Signature 11/18/2015 Date

PERMANENT METHANE MONITORS
OPERATIONAL CHECK
Green Valley Landfill
4th Quarter 2015

Date: 11/18/2015 *PERSONNEL:* Zachary Ankney

Structure	Inspection Time	Monitor Model No.	Unit Serial No.	Monitor Location	Operational and Calibrated? Y/N	COMMENTS
Office	14:35	Sierra 2001	991915	Main Hall	Yes	
Shop Office	14:22	Sierra 2001	199m	South Wall	Yes	
Compressor Building	14:04	Sierra 2001	249GAM	North Wall	Yes	
Scalehouse	14:09	Sierra 2001	0029m	North Wall	Yes	
Scalehouse Conex	14:15	Sierra 2001	250GAM	West Wall	Yes	
File Shed	14:13	Sierra 2001	0025m	West Wall	Yes	
Landfill Shop	14:20	Sierra 2001	0059m	West Wall	Yes	
Landfill Shop Conex	14:27	Sierra 2001	1198m	West Wall	Yes	

Certification: _____ 11/18/2015
Signature Date

STRUCTURAL CHECK
Green Valley Landfill
4th Quarter 2015

Date: 11/18/2015 *PERSONNEL:* Zachary Ankney

Structure	Date	Inspection Time	Monitored Location	LEL %	COMMENTS
Office	11/18/2015	14:35	Lowest	0.0	
Shop Office	11/18/2015	14:22	Lowest	0.0	
Scalehouse	11/18/2015	14:09	Lowest	0.0	
Compressor Building	11/18/2015	14:04	Lowest	0.0	
File Shed	11/18/2015	14:13	Lowest	0.0	
Scalehouse Conex	11/18/2015	14:15	Lowest	0.0	
Landfill Shop	11/18/2015	14:20	Lowest	0.0	
Landfill Shop Conex	11/18/2015	14:27	Lowest	0.0	

Certification: _____ 11/18/2015
Signature Date

Monitoring Control and Compliance, Inc.

METER CALIBRATION FORM

DATE: 11/18/2015

Meter Date and Time Match [X] Yes [ ] No

SITE: Green Valley

TECHNICIAN: Zachary Ankney

METER SERIAL #: ENV1003018

METER TYPE #: Envision

ARRIVAL TIME: 8:40

DEPARTURE TIME: 15:30

Calibration Number 1

Time: 13:25 Temp: 72 F

Lot #: 50% CH4/35% CO2/ Balance Gas

Lot #: 15% CH4 / 15% CO2/ Balance Gas 15% CH4/ 15% CO2

Lot #: 4% O2/Balance Gas 4% O2

Calibration Number 2

Time: Temp:

Lot #: 50% CH4/35% CO2/ Balance Gas

Lot #: 15% CH4 / 15% CO2/ Balance Gas

Lot #: 4% O2/Balance Gas

Calibration Number 3

Time: Temp:

Lot #: 50% CH4/35% CO2/ Balance Gas

Lot #: 15% CH4 / 15% CO2/ Balance Gas

Lot #: 4% O2/Balance Gas

Field Technician Signature: Date: 11/18/2015

Monitoring Control and Compliance, Inc.

January 8, 2016

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

Subject: Monthly LFG Report for December 2015
Green Valley Landfill – Ashland, Kentucky

Dear Mr. Cecil:

Monitoring Control and Compliance, Inc. (MCC) is submitting the following monthly landfill gas system monitoring and information report for the Green Valley Landfill using information collected during the month of December 2015.

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.
Ron Clark
Dana Oleniacz

DECEMBER 2015 MONTHLY REPORT

Control System Operations

Initial Flare Readings

During the December 4, 2015 monitoring event, the gas quality at the blower inlet was 51.5% CH4, 34.0% CO2, 1.1% O2 and 13.4% balance gas. The applied vacuum to the wellfield was -27.65 inches of water and the flow was 740 SCFM.

Final Flare Readings

At the end of the tuning event on December 16, 2015, the gas quality going to the blower inlet was 52.2% CH4, 35.4% CO2, 0.8% O2 and 11.6% balance gas. The applied vacuum to the wellfield was -32.05 inches of water and the flow was 840 SCFM.

The flare operated for 200 hours with an average 198 SCFM during December 2015.

Table 1- 1 Control System Down Time Report

Start time	End Time	Comments
12/8/2015 9:24	12/8/2015 11:48	Low blower amps
12/9/2015 12:20	12/9/2015 2:28	Annual flare maintenance

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

Monthly Wellhead Monitoring Results

There are a total of 63 monitoring points (associated with, and monitored, as part of the monthly monitoring events.

- One (1) wells exceeded the NSPS regulatory limits for temperature, oxygen or pressure for a period of greater than 15 days (table 2-1);
- Twenty-one (21) wells exceeded the 58% methane target level set forth in the site's standard operating procedures (SOP); see attachment E.
- Forty-four (44) wells exceeded the 52% methane target level set forth in the site's standard operating procedures (SOP); see attachment E.
- Fifteen (15) wells recorded methane concentrations below the site's SOP of 48% see attachment E.
- Four (4) wells recorded flow below the site's SOP of 5 SCFM see attachment E.

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

Equipment calibration information for the December 2015 Landfill Gas System Monitoring Data can also be viewed in Attachment C.

Wells found to be operating outside of Republic's standard operating procedures (SOP) during the month of December 2015 are shown in Attachment E.

Table 2-1 (below) indicates wells operating outside of the NSPS operational parameters for more than 15 days during the month of December 2015.

Table 2-1: December 2015 - Wells Operating Outside NSPS Standards for greater than 15 days

Extraction Well No.	Parameter	Comments
GRNVLHW6	O2	Operated outside NSPS standards from 9/4/15 to 12/16/15 (has burp variance). Back within standards on 12/16/15.
GRNVL60R	O2	Operated outside NSPS standards from 11/3/15 through 12/4/15. Back within standards from 12/4/15 through end of December 2015.

Collection System Operations and Maintenance

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

- Zero wells were activated during the month of December 2015.
- Zero wells were decommissioned during the month of December 2015.
- Pump maintenance was performed on the following wells:
  - PW1
  - 26R
  - 13R
  - EW57
  - 43R2
- Five liquid levels were read during December.
- Recorded pump counts; A copy of the pump counts are presented in Attachment G.

Quarterly Surface Emissions Monitoring

The 4th quarter Initials Surface Emission Monitoring was performed on November 18, 2015. Two areas were found to be greater than the surface methane operational standard. The 10-day recheck was completed on November 25, 2015, where both exceedances were found to be under the surface methane operational standard.

On December 17, 2015, the 30-day rechecks were performed and the two initial exceedances were found to be under the surface methane operational standard.

Perimeter Probe and Building Monitoring

The 4th quarter 2015 perimeter probe and on-site structure monitoring has been completed on November 18, 2015.

Recommendations

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

- HW01, EW04, and 65R2 need to be properly decommissioned.

- A pump cleaning station should be built to assist with pump maintenance.
- The lines to the continuous pilot will need to be insulated and heat traced before winter.
- The sump across from the flare should be insulated before winter.

This report contains the following appendices':

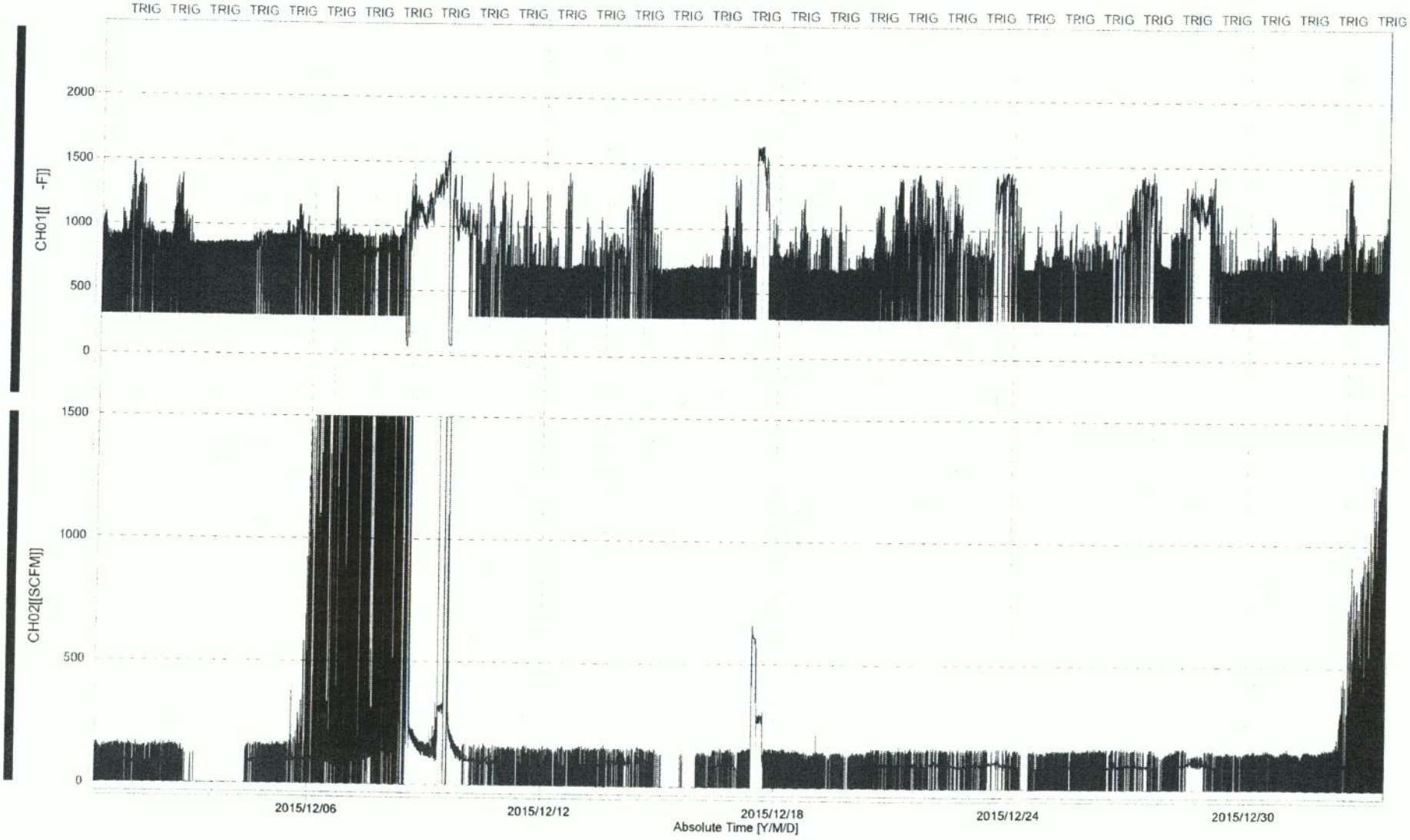
Attachment A – Flare Chart Records
Attachment B – Landfill Gas System Monitoring Data
Attachment C – Gas meter calibration records
Attachment D – O & M Form
Attachment E – Wellfield SOP summary
Attachment F– SSM Forms (if required)
Attachment G – Pump Count Table (if required)
Attachment H – Cover Integrity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

ATTACHMENT A

Flare Chart Records

File Name	: Y3015045.DDS,...,10115046.DDS
Device Type	: FX100
Serial No.	: S5DB05975
File Message	:
Time Correction	: None
Starting Condition	: Auto
Dividing Condition	: Auto
Meas Ch.	: 5
Math Ch.	: 4
Printed Group	: FLARE DATA
Printed Range	: 2015/11/30 14:04:00.000 - 2016/01/02 13:56:00.000
Comment	:

Data Count	: 5940
Sampling Interval	: 480.000 sec
Start Time	: 2015/11/30 14:04:00.000
Stop Time	: 2016/01/02 13:56:00.000
Trigger Time	: 2016/01/02 13:56:00.000
Trigger No.	: 5939
Damage Check	: Not Damaged



ATTACHMENT B

Landfill Gas System Monitoring Data

Green Valley Landfill
Wellfield Monitoring Data - December 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Flow (scfm)	Adj Flow (scfm)	Comments
W17R2	12/4/15 12:53	50	33.6	0	16.4	102.6	-11.86		37.65		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
W17R2	12/16/15 10:51	50.4	33	0	16.6	102.7	-9.62		33.55		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
W27RR	12/4/15 13:21	49.1	35	0	15.9	123.1	-2.51		11.11		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
W27RR	12/16/15 13:35	51.7	34.9	0	13.4	124.5	-2		10.36		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
W41R2	12/4/15 9:18	57.5	33.9	0	8.6	107.1	-18.68	-19.33	13.34	21.69	Valve Comment:"63147";Valve Adjustment:"Slightly Open";Well
W41R2	12/4/15 9:19	56.8	29.5	0	13.7	108	-20.71		18.35		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
W41R2	12/16/15 9:04	51.6	34.4	0	14	107.6	-22.74		42.82		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
W43R2	12/4/15 9:15	57.7	34.7	0.3	7.3	96.3	-25.58		17.06		Valve Comment:"203779";Valve Adjustment:"No Change";Well
W43R2	12/16/15 9:01	62.1	36.7	0	1.2	99.1	-25.84		16.15		Valve Comment:"212020";Valve Adjustment:"No Change";Well
W44R2	12/4/15 8:29	59.2	38.2	0	2.6	101.7	-0.05	-0.06	7.14	14.2	Valve Comment:"284";Valve Adjustment:"Slightly Open";Well
W44R2	12/4/15 8:30	59.9	39	0	1.1	101.5	-0.22		28.98		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
W44R2	12/16/15 8:17	57.5	35	0	7.5	104.4	-0.58		28.51		Valve Comment:"284";Valve Adjustment:"No Change";Well
W46R3	12/4/15 8:36	58.9	38.7	0	2.4	91.6	-0.15	-0.32	20.18	31.36	Valve Comment:"3626";Valve Adjustment:"Slightly Open";Well
W46R3	12/4/15 8:37	59.1	38.9	0	2	92.8	-0.34		27.47		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
W46R3	12/16/15 8:23	50.3	34.7	2.1	12.9	94.1	-0.33		23.11		Valve Comment:"3635";Valve Adjustment:"No Change";Well
W47R2	12/4/15 9:26	50.8	33.6	2	13.6	118	-1.49		31.81		Valve Comment:"700747";Valve Adjustment:"No Change";Well
W47R2	12/16/15 9:13	50.8	35.8	1.6	11.8	119.3	-1.1		26		Valve Comment:"709316";Valve Adjustment:"No Change";Well
GRNV49R2	12/4/15 9:29	60.2	36.5	0.1	3.2	108.7	-18.29	-18.72	14.73	14.38	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair

Green Valley Landfill
Wellfield Monitoring Data - December 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Flow (scfm)	Adj Flow (scfm)	Comments
GRNV49R2	12/4/15 9:29	60.6	37.5	0.1	1.8	110.5	-19.67		18.19		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
GRNV49R2	12/16/15 9:16	59.8	37.7	0.1	2.4	111.6	-20.32	-22.13	25.38	30.63	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair
GRNV49R2	12/16/15 9:17	60	38.1	0	1.9	113.2	-23.43		15.54		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
W50R3	12/4/15 9:35	51.5	35.9	0	12.6	112.6	-18.08		11.49		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
W50R3	12/16/15 9:21	48.8	34.4	0	16.8	115.5	-17.21		10.45		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
GRNV52R2	12/4/15 9:32	55.9	33.2	0.3	10.6	87.6	-4.44	-5.87	9.12	14.73	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair
GRNV52R2	12/4/15 9:33	56.4	33.1	0.2	10.3	95	-7.89		20.41		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
GRNV52R2	12/16/15 9:19	51.7	35.2	0.2	12.9	112.5	-5.13		12.21		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
W63R2	12/4/15 8:49	60.8	37	0.2	2	56.7	-25.88		5.11		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
W63R2	12/16/15 8:36	58.5	39.6	0.2	1.7	57.4	-25.5		6.69		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
W64R2	12/4/15 8:47	57.5	35.5	0.3	6.7	115.3	-25.19		14.47		Valve Comment:"583985";Valve Adjustment:"No Change";Well
W64R2	12/16/15 8:33	58.6	39.9	0	1.5	120.9	-27.61		25.06		Valve Comment:"583985";Valve Adjustment:"No Change";Well
GRNV65R3	12/4/15 8:42	43.6	29.8	6.7	19.9	93.7	-0.41	-0.12	17.71	13	Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"No Repair
GRNV65R3	12/4/15 8:44	43.4	28.7	5.8	22.1	92.8	-0.04		0		Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair
GRNV65R3	12/16/15 8:29	59.8	39.2	0	1	93.9	-0.01	-0.17	23.49	22.19	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair
GRNV65R3	12/16/15 8:30	59.6	39.8	0	0.6	96.4	-0.37		20.59		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
W08R	12/4/15 12:58	50.6	35.3	0.1	14	77	-5.13		4.98		Valve Comment:"81689";Valve Adjustment:"No Change";Well
W08R	12/16/15 10:56	50.7	35.8	0	13.5	71.2	-3.2		8.67		Valve Comment:"81937";Valve Adjustment:"No Change";Well

Green Valley Landfill
Wellfield Monitoring Data - December 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Flow (scfm)	Adj Flow (scfm)	Comments
W10R	12/4/15 13:23	51.8	35.3	0	12.9	124.9	-1.99		31.77		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
W10R	12/16/15 13:31	51.9	36.3	0	11.8	124.2	-1.39		14.23		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
W13R	12/4/15 12:21	56.2	34.8	0.5	8.5	109.8	-17	-17.34	13.68	28.73	Valve Comment:"209170";Valve Adjustment:"Slightly Open";Well
W13R	12/4/15 12:22	56.1	35.3	0.4	8.2	109.9	-17.69		25.4		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
W13R	12/16/15 10:15	56.1	36.1	0.4	7.4	109.4	-17		19.55		Valve Comment:"211469";Valve Adjustment:"No Change";Well
W18R	12/4/15 13:11	49.1	33.7	1.2	16	89.6	-9.23		17.33		Valve Comment:"320";Valve Adjustment:"No Change";Well
W18R	12/16/15 12:39	49.3	34.3	0.9	15.5	91.2	-6.99		11.81		Valve Comment:"320";Valve Adjustment:"No Change";Well
W26R	12/4/15 12:05	49.8	35.2	0.1	14.9	96.6	-12.47		17.19		Valve Comment:"157441";Valve Adjustment:"No Change";Well
W26R	12/16/15 10:02	52.9	35.3	0	11.8	97.2	-11.22		25.51		Valve Comment:"157441";Valve Adjustment:"No Change";Well
W32R	12/4/15 13:14	51.4	34.1	0.3	14.2	126.1	-22.43		27.27		Valve Comment:"855878";Valve Adjustment:"No Change";Well
W32R	12/16/15 12:43	50.8	34.6	0.6	14	127	-21.7		39.71		Valve Comment:"855878";Valve Adjustment:"No Change";Well
W38R	12/4/15 13:26	48.5	33.2	0	18.3	117.5	-4.3		4.99		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
W38R	12/16/15 13:33	48.1	34.6	0	17.3	120.9	-2.5		5.02		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
W54R	12/4/15 9:58	64	24.9	0.2	10.9	117.5	-17.95	-18.38	27.02	33.4	Valve Comment:"69838";Valve Adjustment:"Slightly Open";Well
W54R	12/4/15 9:59	64.1	25.9	0	10	118	-19.46		32.49		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
W54R	12/16/15 9:34	57.7	26.1	0	16.2	116.4	-18.59	-19.07	27.54	30.19	Valve Comment:"69838";Valve Adjustment:"Slightly Open";Well
W54R	12/16/15 9:36	59.4	25.6	0	15	117.5	-19.63		32.47		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
W59R	12/4/15 9:37	64.2	33.2	0.1	2.5	109.8	-28.65		13.55		Valve Comment:"184119";Valve Adjustment:"No Change";Well

Green Valley Landfill
Wellfield Monitoring Data - December 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
W59R	12/16/15 9:23	57.7	36.9	0.2	5.2	109.8	-24.85		6.7		Valve Comment:"184119";Valve Adjustment:"No Change";Well
W60R	12/4/15 9:41	63.9	32.5	0	3.6	55.9	-2.17	-2.57	7.1	8.54	Valve Comment:"196135";Valve Adjustment:"Slightly Open";Well
W60R	12/4/15 9:42	65.1	34.2	0	0.7	57.7	-4.33		10.4		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
W60R	12/16/15 9:25	56.2	31.9	1	10.9	79.2	-0.5		12.69		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
HW1	12/4/15 12:17	18.1	17.8	6.3	57.8	63.9	-0.06	-0.03	8.24	7.34	Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"No Repair
HW1	12/4/15 12:18	18	17	6.3	58.7	63.3	-0.01		5.83		Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair
HW1	12/16/15 10:11	63	35.8	0	1.2	63.1	0.03	-0.01	4.12	4.96	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair
HW1	12/16/15 10:12	63	36.5	0	0.5	61.5	-0.01		6.52		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
HW3	12/4/15 9:05	62.3	36	0	1.7	51.4	-0.03	-0.19	6.52	7.48	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair
HW3	12/4/15 9:06	62.7	35.5	0	1.8	52.9	-0.59		9.2		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
HW3	12/16/15 8:48	43.4	31.4	1.2	24	55	-1.15	-0.99	9.64	6.27	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair
HW3	12/16/15 8:49	44.5	29.8	1.2	24.5	54.7	-0.76		7.13		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
HW4	12/4/15 8:57	60.1	37.5	0	2.4	51.1	-0.36	-0.38	5.82	9.66	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair
HW4	12/4/15 8:58	62.1	37	0	0.9	52.2	-0.65		11.27		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
HW4	12/16/15 8:42	50.3	34.8	1.8	13.1	55.6	-1.74		5.03		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
HW5	12/4/15 8:51	59.9	36.9	0.1	3.1	52	-0.5	-0.56	5.82	9.04	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair
HW5	12/4/15 8:52	60.2	37.3	0	2.5	52.7	-0.83		8.23		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
HW5	12/16/15 8:38	54.2	35.2	1.2	9.4	53.8	-2.2		9.61		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair

Green Valley Landfill
Wellfield Monitoring Data - December 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Flow (scfm)	Adj Flow (scfm)	Comments
HW6	12/4/15 9:44	17.4	10.9	15.3	56.4	48.9	-8.63	-8.63	2.85	3.98	Valve Comment:"valve completely closed ";Valve Adjustment:"Slightly Closed";Well
HW6	12/4/15 9:46	26.2	17.2	11.7	44.9	48.9	-8.8		5.7		Valve Comment:"valve completely closed ";Valve Adjustment:"2nd Reading";Well
HW6	12/16/15 9:27	51.3	33.6	2.6	12.5	58.3	-0.06		11.29		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
HW7	12/4/15 9:03	60.2	38.9	0	0.9	82.2	-0.08	-0.31	22	37.18	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair
HW7	12/4/15 9:03	59.8	39.4	0	0.8	83.3	-0.58		38.61		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
HW7	12/16/15 8:46	47.3	35.7	1.5	15.5	90.1	-0.94		34.03		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
HW8	12/4/15 8:54	60	37.9	0	2.1	74.5	0.13	-0.08	4.12	14.7	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair
HW8	12/4/15 8:55	60.3	38.8	0	0.9	77.2	-0.41		40.86		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
HW8	12/16/15 8:40	51.5	35.3	0.6	12.6	81	-0.47		23.65		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
HW9	12/4/15 9:12	44.8	27.5	4.5	23.2	74.5	-0.02		11.51		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
PW1	12/4/15 9:10	35.6	22.5	8.7	33.2	55.4	-13.55	-12.51	5.64	8.64	Valve Comment:"62691";Valve Adjustment:"Slightly Closed";Well
PW1	12/4/15 9:10	31.7	22.1	12	34.2	55.6	-11.73		2.83		Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"Pump
PW1	12/16/15 8:55	26.7	19.5	11.9	41.9	55.8	-9.49	-10.18	0	0	Valve Comment:"62693";Valve Adjustment:"Slightly Closed";Well
PW1	12/16/15 8:56	26.1	17.2	11.1	45.6	56.3	-9.19		0		Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair
PW1	12/16/15 11:39	44.2	33.5	4.1	18.2	93.9	13.2	-3.32	34.01	46.7	Valve Comment:"62829";Valve Adjustment:"Slightly Open";Well
PW1	12/16/15 11:40	44.8	32.4	3.8	19	100.9	-2.88		45.02		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
PW2	12/4/15 9:01	59.4	38.5	0	2.1	109.9	-23.81		20.54		Valve Comment:"305804";Valve Adjustment:"No Change";Well
PW2	12/16/15 8:44	59.9	37.5	0	2.6	111.9	-22.74		20.41		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair

Green Valley Landfill
Wellfield Monitoring Data - December 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Flow (scfm)	Adj Flow (scfm)	Comments
Y01	12/4/15 13:34	48	32	0.1	19.9	78.1	-13.55		6.9		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y01	12/16/15 13:42	58.2	33.5	0	8.3	72	-9.97	-10.31	6.96	6.19	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair
Y01	12/16/15 13:43	58.7	33.5	0	7.8	72.5	-11		6.95		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
Y02	12/4/15 13:32	51	34.3	0.1	14.6	108.9	-24.94		33.61		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y02	12/16/15 13:40	52.5	35.9	0	11.6	108.7	-20.75		25.51		Valve Comment:"surging ";Valve Adjustment:"No Change";Well
Y03	12/4/15 12:01	55.1	35.7	0.3	8.9	98.6	-28.65		11.74		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y03	12/16/15 9:57	54.8	34.6	0	10.6	100.4	-24.16		14.12		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y12	12/4/15 12:13	51.6	34.9	0.4	13.1	96.3	-27.22		0		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y12	12/16/15 10:07	52.8	36.5	0.2	10.5	95.7	-23.47		0		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y16	12/4/15 12:46	52.6	33.8	0.3	13.3	98.1	-23.77		26.28		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y16	12/16/15 10:45	54.7	35	0	10.3	95.7	-19.97		16.25		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y19	12/4/15 12:28	50.2	34.6	0.1	15.1	84	-6.86		6.41		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y19	12/16/15 10:23	54.2	34.7	0	11.1	84.7	-5.48	-5.52	9.96	8.77	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair
Y19	12/16/15 10:23	54.2	35.4	0	10.4	86.4	-6.17		12.84		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
Y20	12/4/15 12:31	47.7	34.4	0.1	17.8	109.6	-10.57	-10.31	53.94	59.25	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair
Y20	12/4/15 12:32	47.4	34.3	0.1	18.2	109.4	-10.31		50.58		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
Y20	12/16/15 10:26	49.5	35.2	0	15.3	109.2	-8.24		56.39		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y21	12/4/15 12:35	56.9	35.7	0.1	7.3	99.1	-20.66		17.28		Valve Comment:"3180";Valve Adjustment:"No Change";Well

Green Valley Landfill
Wellfield Monitoring Data - December 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Flow (scfm)	Adj Flow (scfm)	Comments
Y21	12/16/15 10:33	57.7	36.1	0	6.2	99.5	-18.94		25.78		Valve Comment:"3180";Valve Adjustment:"No Change";Well
Y22	12/4/15 12:37	56.9	36.2	0.1	6.8	81.1	-22.82		28.86		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y22	12/16/15 10:37	57.5	35.9	0	6.6	80.6	-20.02		26.73		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y23	12/4/15 12:40	54.3	35.5	0.1	10.1	83.3	-19.07	-20.32	17.13	25.03	Valve Comment:"144300";Valve Adjustment:"Slightly Open";Well
Y23	12/4/15 12:41	54.1	35.4	0.1	10.4	83.3	-20.66		22.31		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
Y23	12/16/15 10:40	55.7	35.8	0.1	8.4	81.7	-17.9	-18.25	22.47	23.62	Valve Comment:"169740";Valve Adjustment:"Slightly Open";Well
Y23	12/16/15 10:41	55.3	35.9	0	8.8	82	-18.25		29.33		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
Y24	12/4/15 12:03	42.8	31.5	0.5	25.2	70.2	-6.21		0		Valve Comment:"valve barely cracked ";Valve Adjustment:"No Change";Well
Y24	12/16/15 10:00	47	32.1	0.2	20.7	69.3	-5.48		0		Valve Comment:"valve barely cracked ";Valve Adjustment:"No Change";Well
Y25	12/4/15 13:29	52	34	0.5	13.5	108.5	-13.42		14.09		Valve Comment:"261085";Valve Adjustment:"No Change";Well
Y25	12/16/15 13:37	51.9	36.1	0.2	11.8	111	-11.95		12.65		Valve Comment:"261421";Valve Adjustment:"No Change";Well
Y28	12/4/15 12:11	54.5	35.4	1.4	8.7	106.5	-14.8		30.12		Valve Comment:"166554";Valve Adjustment:"No Change";Well
Y28	12/16/15 10:05	55.2	36.7	1.2	6.9	106.7	-13.42		32.14		Valve Comment:"168383";Valve Adjustment:"No Change";Well
Y29	12/4/15 13:18	43.5	32.7	0.9	22.9	84.6	-0.65	-0.62	5.04	4.6	Valve Comment:"120264";Valve Adjustment:"Slightly Closed";Well
Y29	12/4/15 13:19	43.9	31.7	0.4	24	83.8	-0.51		6.51		Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"Pump
Y29	12/16/15 13:28	57.3	36.6	0	6.1	84.2	0.11	-0.01	9.22	8.03	Valve Comment:"120264";Valve Adjustment:"Slightly Open";Well
Y29	12/16/15 13:29	56.7	37.6	0.1	5.6	85.1	-0.1		8.24		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
Y30	12/4/15 12:15	48.3	32.2	0.5	19	68.9	-3.46		7.08		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair

Green Valley Landfill
Wellfield Monitoring Data - December 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
Y30	12/16/15 10:09	51.6	33.7	0.4	14.3	68.9	-2.96		16.11		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y31	12/4/15 12:24	55.6	35.9	0.1	8.4	101.3	-24.46		14.01		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y31	12/16/15 10:17	56.3	36.1	0	7.6	105.4	-24.85		11.11		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y33	12/4/15 13:08	33.2	27.7	0.1	39	76.5	-5.48		2.88		Valve Comment:"valve barely cracked ";Valve Adjustment:"No Change";Well
Y33	12/16/15 12:36	36.8	28.5	0	34.7	82.6	-3.07		2.89		Valve Comment:"valve barely cracked ";Valve Adjustment:"No Change";Well
Y34	12/4/15 12:26	50.5	34.2	0.7	14.6	103.1	-8.2		13.67		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y34	12/16/15 10:20	50	35.4	0.2	14.4	104.5	-7.89		32.81		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y35	12/4/15 13:04	55.8	35.4	0.2	8.6	92.3	-3.41	-3.48	8.67	4.84	Valve Comment:"26087";Valve Adjustment:"Slightly Open";Well
Y35	12/4/15 13:05	57.7	36.7	0.1	5.5	95.5	-3.59		8.17		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
Y35	12/16/15 12:32	55.1	35.5	0.3	9.1	111.4	-1.67	-1.75	24.28	28.4	Valve Comment:"27203";Valve Adjustment:"Slightly Open";Well
Y35	12/16/15 12:33	55.2	36.2	0.3	8.3	113.4	-1.83		5.8		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
Y36	12/4/15 12:55	54.5	34.7	0.1	10.7	126.3	-21.44		34.82		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y36	12/16/15 10:54	54	34.5	0	11.5	126.1	-18.46		36.5		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y37	12/4/15 12:50	47.9	32.8	0.1	19.2	86	-16.87	-16.7	23.38	20.49	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair
Y37	12/4/15 12:51	48.1	32.4	0.1	19.4	85.6	-16.18		22.57		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
Y37	12/16/15 10:48	49.1	34	0	16.9	85.8	-13.24		24.75		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y55	12/4/15 9:21	60.8	36.4	0	2.8	103.3	-24.55		26.13		Valve Comment:"10624";Valve Adjustment:"No Change";Well
Y55	12/16/15 9:07	61.2	38.1	0	0.7	104.5	-25.5		23.19		Valve Comment:"10765";Valve Adjustment:"No Change";Well

Green Valley Landfill
Wellfield Monitoring Data - December 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
Y56	12/4/15 9:24	57.8	36.6	0.7	4.9	81.1	-24.55		0		Valve Comment:"116920";Valve Adjustment:"No Change";Well
Y56	12/16/15 9:09	56.7	37.9	0.6	4.8	83.7	-25.19		0		Valve Comment:"117647";Valve Adjustment:"No Change";Well
Y57	12/4/15 10:05	56.9	35.2	0	7.9	81	-11.17	-12.42	8.96	11.99	Valve Comment:"534684";Valve Adjustment:"Slightly Open";Well
Y57	12/4/15 10:05	57.2	35.7	0	7.1	85.6	-14.93		14.04		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
Y57	12/16/15 9:42	49.8	34.5	0	15.7	90.7	-18.68		10.77		Valve Comment:"534684";Valve Adjustment:"No Change";Well
Y58	12/4/15 10:01	59.8	32.7	0.3	7.2	98.2	-17.04	-17.95	39.1	53.38	Valve Comment:"5764";Valve Adjustment:"Slightly Open";Well
Y58	12/4/15 10:02	58.5	34.7	0.2	6.6	98.4	-18.72		48.96		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
Y58	12/16/15 9:39	55.4	33.2	0.3	11.1	97.9	-18.38	-19.07	29.72	40.54	Valve Comment:"5765";Valve Adjustment:"Slightly Open";Well
Y58	12/16/15 9:39	54.2	34.5	0.3	11	98.1	-19.63		39.82		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
Y61	12/4/15 11:04	66.3	32.4	0	1.3	59.7	-3.17		0		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y61	12/16/15 9:31	44.8	27.2	4.9	23.1	58.6	-28.99		9.38		Valve Adjustment:"No Change";Well Condition:"Fair";Well Repairs:"Pump
Y62	12/4/15 9:47	53.3	32.6	2.6	11.5	50.4	-22.3		7.79		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Y62	12/16/15 9:29	51.3	32.6	2.4	13.7	56.3	-22.13		14.32		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
GRNVLY66	12/4/15 8:33	56.8	38.1	0.3	4.8	99	-1.86	-2.3	16.92	19.65	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair
GRNVLY66	12/4/15 8:34	57.1	37.5	0.3	5.1	101.3	-2.95		20.86		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
GRNVLY66	12/16/15 8:20	49.7	35.3	1.5	13.5	96.4	-3.27		23.13		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
GRNVLY67	12/4/15 8:39	56.2	38	1.2	4.6	114.8	-0.1		24.89		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
GRNVLY67	12/16/15 8:25	57.6	37.2	0.5	4.7	116.4	-0.07	-0.12	29.28	30.02	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair

Green Valley Landfill
Wellfield Monitoring Data - December 2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	Adj Flow (scfm)	Comments
GRNVLY67	12/16/15 8:26	57.6	38.5	0.6	3.3	116.8	-0.16		29.42		Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair
Y7R	12/4/15 13:01	49	34.1	0.1	16.8	76.8	-12.73		5.65		Valve Comment:"549413";Valve Adjustment:"No Change";Well
Y7R	12/16/15 12:30	40.9	29.1	2	28	82	-10.66		10.23		Valve Comment:"55534";Valve Adjustment:"No Change";Well
BOT2	12/16/15 14:16	53	34.7	0.8	11.5	76.5	0.07	0.09	90	90	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
CO02	12/4/15 10:58	56.8	32.7	0.3	10.2	55	-23.81		12.87		Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
BLWIN	12/4/15 8:18	51.5	34	1.1	13.4	64	-27.65	-28	740	740	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
BLWIN	12/4/15 13:56	51.1	33.1	1.1	14.7	64.2	-25.84	-26.53	720	720	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
BLWIN	12/16/15 8:07	52.5	32.6	1	13.9	63.9	-26.92	-26.57	750	750	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
BLWIN	12/16/15 14:18	52.2	35.4	0.8	11.6	64.9	-32.05	-31.02	840	840	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
BLOUT	12/4/15 8:19	51.5	33.4	1	14.1	67.8	9.84	10.05	740	740	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
BLOUT	12/16/15 8:09	51.6	33.2	1	14.2	73	10.4	9.66	750	750	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
BLOUT	12/16/15 14:19	52.1	34.2	0.8	12.9	84.4	7.59	7.42	750	750	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair
Plant 1	12/4/15 13:58	51.4	33.3	1.1	14.2	81	9.02	9.58	720	720	Valve Comment:"No Totalizer";Valve Adjustment:"GHG Reading";Well
Flare 1	12/4/15 14:00										NIU

Total Number of Wells	63
Total Number of Well Readings	63
Total Number of Readings NOT Collected	0

Number of Wells With Methane < 48%	15
Number of Wells With Methane > 52%	44
Number of Wells With Methane > 58%	21
Number of Wells With Oxygen > 1%	15
Number of Wells With Temperature > 120°F	6
Number of Wells With Flow < 5 SCFM	4

ATTACHMENT C

Gas Meter Calibration Records

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	12/4/15
Meter Time:	8:09 AM
Meter Temperature:	67.6 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2587	0	-0.03
Methane	000000EE2568	48.43	49.33
Oxygen	000000EE2568	0	0
Oxygen	000000EE2587	4	3.93
CO2	000000EE2587	0	-0.04
CO2	000000EE2568	34.68	35.57
Available (high)	NA	0	-0.26
Applied (low)	NA	0	-0.03
Applied (high)	NA	0	-0.09
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.04

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	12/4/15
Meter Time:	11:51 AM
Meter Temperature:	75.9 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2590	0	0.03
Methane	000000EE2568	48.43	48.71
Oxygen	000000EE2568	0	-0.05
Oxygen	000000EE2590	4	4.14
CO2	000000EE2587	0	0.03
CO2	000000EE2568	34.68	34.23
Available (high)	NA	0	-0.13
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.04

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	12/4/15
Meter Time:	1:46 PM
Meter Temperature:	84.0 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2590	0	0.05
Methane	000000EE2568	48.43	48.58
Oxygen	000000EE2568	0	0.01
Oxygen	000000EE2590	4	3.96
CO2	000000EE2590	0	0.02
CO2	000000EE2568	34.68	34.7
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	0.02

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	12/16/15
Meter Time:	7:53 AM
Meter Temperature:	69.2 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2590	0	-0.02
Methane	000000EE2516	48.43	48.48
Oxygen	000000EE2516	0	0.05
Oxygen	000000EE2590	4	4.11
CO2	000000EE2590	0	-0.1
CO2	000000EE2516	34.68	35.13
Available (high)	NA	0	-0.22
Applied (low)	NA	0	-0.02
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.04

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	12/16/15
Meter Time:	12:22 PM
Meter Temperature:	86.3 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2590	0	0.01
Methane	000000EE2516	48.43	48.38
Oxygen	000000EE2516	0	0
Oxygen	000000EE2590	4	3.96
CO2	000000EE2590	0	0
CO2	000000EE2516	34.68	34.31
Available (high)	NA	0	0.17
Applied (low)	NA	0	-0.01
Applied (high)	NA	0	-0.04
Differential (low)	NA	0	0.01
Differential (high)	NA	0	0.03

Meter Calibration Form

Technician:	Zachary Ankney
Meter Serial #:	1003018
PDA ID:	WM_Tom_Philips2
Meter Date:	12/16/15
Meter Time:	2:13 PM
Meter Temperature:	90.8 degF

Sensor	Lot #	Cylinder %	Calibration %
Methane	000000EE2590	0	0.01
Methane	000000EE2516	48.43	48.45
Oxygen	000000EE2516	0	-0.01
Oxygen	000000EE2590	4	3.9
CO2	000000EE2590	0	-0.08
CO2	000000EE2516	34.68	33.9
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	0.04

ATTACHMENT D

O & M Report

Monitoring Control and Compliance, Inc.

Green Valley Landfill
GCCS Major Components Checklist

Technician: Zack Ankney

Date: 12/4/2015

Flare Station / Skid Components

Item	Yes	No		Comments
Flare Operating in Automatic Mode	☐	☑		
Blower / flare operating properly	☐	☑		
Autodialer functioning	☐	☑		
VFD vacuum setpoint	In-W.C.		-32	
Motor operating properly	☑	☐		
Plant flow rate	SCFM		720	Flare Flow Rate: N/A
Bearings properly lubricated	☑	☐		
Any Unusual Noises at B/F Skid	☐	☑		
Belts / drive correct	☑	☐		
Blower casing drained	☑	☐		
Valves properly positioned	☑	☐		
Chart recorder functioning	☑	☐		
Actuators maintained	☑	☐		
KOP Demister differential pressure	In. W.C		N/A	
Flame arrestor differential pressure	In. W.C		N/A	
Flame arrestor inlet pressure	In. W.C		N/A	
Nitrogen Cylinder Pressure	PSI		N/A	
Propane Cylinder Pressure	%		25	Continuous pilot out for repair

Air Compressor Components

Item	Yes	No		Comments
Unit Operating in Automatic Mode	☑	☐		Hours: 19488; Temp: 187 F
Compressor Tank Drained	☑	☐		
Filters Clean	☑	☐		
Compressor Tank Pressure	PSI		106	
Compressor Properly Lubricated	☑	☐		
Compressor Belts Worn	☐	☑		
Belts at Proper Tension	☑	☐		

Sumps, Pumps, and Valves

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

Location/Name	Comments
CK-1: 728181	All cycling properly
CK-2: 380333	
CK-3: 377136	
CK-4: 167482	
DL-7: 456173	
Toe Drain: 728589	
CK-H: 459018	

Additional Comments

Rental flow meter installed in plant line. Awating return from FCI after annual calibration

ATTACHMENT E

Wellfield SOP Summary

Green Valley Landfill
Wellfield SOP Summary
December 2015

Extraction Wells > 58% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV43R2	12/16/2015 9:01	62.1	GRNVLHW3	12/4/2015 9:06	62.7
GRNV44R2	12/4/2015 8:30	59.9	GRNVLHW4	12/4/2015 8:58	62.1
GRNV46R3	12/4/2015 8:37	59.1	GRNVLHW5	12/4/2015 8:52	60.2
GRNV49R2	12/4/2015 9:29	60.6	GRNVLHW7	12/4/2015 9:03	60.2
GRNV63R2	12/4/2015 8:49	60.8	GRNVLHW8	12/4/2015 8:55	60.3
GRNV64R2	12/16/2015 8:33	58.6	GRNVLPW2	12/16/2015 8:44	59.9
GRNV65R3	12/16/2015 8:29	59.8	GRNVLY01	12/16/2015 13:43	58.7
GRNVL54R	12/4/2015 9:59	64.1	GRNVLY55	12/16/2015 9:07	61.2
GRNVL59R	12/4/2015 9:37	64.2	GRNVLY58	12/4/2015 10:01	59.8
GRNVL60R	12/4/2015 9:42	65.1	GRNVLY61	12/4/2015 11:04	66.3
GRNVLHW1	12/16/2015 10:11	63			

Extraction Wells > 52% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV41R2	12/4/2015 9:18	57.5	GRNVLY02	12/16/2015 13:40	52.5
GRNV43R2	12/16/2015 9:01	62.1	GRNVLY03	12/4/2015 12:01	55.1
GRNV44R2	12/4/2015 8:30	59.9	GRNVLY12	12/16/2015 10:07	52.8
GRNV46R3	12/4/2015 8:37	59.1	GRNVLY16	12/16/2015 10:45	54.7
GRNV49R2	12/4/2015 9:29	60.6	GRNVLY19	12/16/2015 10:23	54.2
GRNV52R2	12/4/2015 9:33	56.4	GRNVLY21	12/16/2015 10:33	57.7
GRNV63R2	12/4/2015 8:49	60.8	GRNVLY22	12/16/2015 10:37	57.5
GRNV64R2	12/16/2015 8:33	58.6	GRNVLY23	12/16/2015 10:40	55.7
GRNV65R3	12/16/2015 8:29	59.8	GRNVLY25	12/4/2015 13:29	52
GRNVL13R	12/4/2015 12:21	56.2	GRNVLY28	12/16/2015 10:05	55.2
GRNVL26R	12/16/2015 10:02	52.9	GRNVLY29	12/16/2015 13:28	57.3
GRNVL54R	12/4/2015 9:59	64.1	GRNVLY31	12/16/2015 10:17	56.3
GRNVL59R	12/4/2015 9:37	64.2	GRNVLY35	12/4/2015 13:05	57.7
GRNVL60R	12/4/2015 9:42	65.1	GRNVLY36	12/4/2015 12:55	54.5
GRNVLHW1	12/16/2015 10:11	63	GRNVLY55	12/16/2015 9:07	61.2
GRNVLHW3	12/4/2015 9:06	62.7	GRNVLY56	12/4/2015 9:24	57.8
GRNVLHW4	12/4/2015 8:58	62.1	GRNVLY57	12/4/2015 10:05	57.2
GRNVLHW5	12/4/2015 8:52	60.2	GRNVLY58	12/4/2015 10:01	59.8
GRNVLHW7	12/4/2015 9:03	60.2	GRNVLY61	12/4/2015 11:04	66.3
GRNVLHW8	12/4/2015 8:55	60.3	GRNVLY62	12/4/2015 9:47	53.3
GRNVLPW2	12/16/2015 8:44	59.9	GRNVLY66	12/4/2015 8:34	57.1
GRNVLY01	12/16/2015 13:43	58.7	GRNVLY67	12/16/2015 8:25	57.6

Extraction Wells < 48% Methane

Extraction Well ID	Date	Methane %	Extraction Well ID	Date	Methane %
GRNV65R3	12/4/2015 8:44	43.4	GRNVLY20	12/4/2015 12:32	47.4
GRNVLHW1	12/4/2015 12:18	18	GRNVLY24	12/4/2015 12:03	42.8
GRNVLHW3	12/16/2015 8:48	43.4	GRNVLY29	12/4/2015 13:18	43.5
GRNVLHW6	12/4/2015 9:44	17.4	GRNVLY33	12/4/2015 13:08	33.2
GRNVLHW7	12/16/2015 8:46	47.3	GRNVLY37	12/4/2015 12:50	47.9
GRNVLHW9	12/4/2015 9:12	44.8	GRNVLY61	12/16/2015 9:31	44.8
GRNVLPW1	12/16/2015 8:56	26.1	GRNVLY7R	12/16/2015 12:30	40.9
GRNVLY01	12/4/2015 13:34	48			

Green Valley Landfill
Wellfield SOP Summary
December 2015

Extraction Wells < 5 scfm Flow

Extraction Well ID	Date	Flow scfm	Extraction Well ID	Date	Flow scfm
GRNVLY12	12/16/2015 10:07	0	GRNVLY33	12/16/2015 12:36	2.89
GRNVLY24	12/16/2015 10:00	0	GRNVLY56	12/16/2015 9:09	0

Extraction Wells Oxygen > 1%

Extraction Well ID	Date	Oxygen %	Extraction Well ID	Date	Oxygen %
GRNV46R3	12/16/2015 8:23	2.1	GRNVLHW9	12/4/2015 9:12	4.5
GRNV47R2	12/16/2015 9:13	1.6	GRNVLPW1	12/16/2015 11:40	3.8
GRNVL60R	12/16/2015 9:25	1	GRNVLY28	12/16/2015 10:05	1.2
GRNVLHW3	12/16/2015 8:49	1.2	GRNVLY61	12/16/2015 9:31	4.9
GRNVLHW4	12/16/2015 8:42	1.8	GRNVLY62	12/16/2015 9:29	2.4
GRNVLHW5	12/16/2015 8:38	1.2	GRNVLY66	12/16/2015 8:20	1.5
GRNVLHW6	12/16/2015 9:27	2.6	GRNVLY7R	12/16/2015 12:30	2
GRNVLHW7	12/16/2015 8:46	1.5			

Extraction Wells Temperature > 120°F

Extraction Well ID	Date	Temperature degF	Extraction Well ID	Date	Temperature degF
GRNV27RR	12/16/2015 13:35	124.5	GRNVL32R	12/16/2015 12:43	127
GRNV64R2	12/16/2015 8:33	120.9	GRNVL38R	12/16/2015 13:33	120.9
GRNVL10R	12/16/2015 13:31	124.2	GRNVLY36	12/16/2015 10:54	126.1

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/Minutes	Event Code (see page 2)	SOP Followed? Yes	SOP Followed? No
Startup	12/8/15 11:48	12/8/15 11:50	0.03	10	☑	☐
Shutdown			0.00		☐	☐
Malfunction	12/8/15 9:24	12/8/15 11:48	2.40	10	Complete section 2 Below	

Date Form Filled Out: 01/08/16 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: Low blower amps

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	12/9/15 14:28	12/9/15 14:30	0.03	1	☑	☐
Shutdown	12/9/15 12:20	12/9/15 12:21	0.02	1	☑	☐
Malfunction			0.00		Complete section 2 Below	

Date Form Filled Out: 01/08/16 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 for annual maintenance

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	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:** Yokagawa

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	12/8/15 14:52	12/8/15 14:53	0.02	29	☑	☐
Shutdown			0.00		☐	☐
Malfunction	12/6/15 3:32	12/8/15 14:52	59.33	29	Complete section 2 Below	

Date Form Filled Out: 01/08/16 Signature: *Paul Flory*

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

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

Section 2 - Malfunction Events Only

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

NOTES: Flow meter reading high (max flow).

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: 2015

GREEN VALLEY PUMP COUNTER INFORMATION

Pumps	Dec-14	Jan-15	Feb-15	Mar-15	Apr-15	May-15	Jun-15	Jul-15	Aug-15	Sep-15	Oct-15	Nov-15	Dec-15
DL-7	354574	360751	361330	375275	383160	393800	401398	410086	420111	430142	432812	447543	456173
DL-8	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed
CK-1	587085	597136	607640	616958	625426	637105	649674	661482	672405	685101	697266	712237	728181
CK-2	267063	271873	275462	279617	283847	292388	301210	313481	328987	342507	352891	366805	380333
CK-3	134655	156625	177239	191461	208380	234365	254295	273255	293583	311322	327796	352517	377136
CK-4	112614	117128	117185	123617	139015	147687	149325	153029	158794	160568	162353	165215	167482
CK-H	72953	190722	235250	400956	595941	920787	954053	8248	295966	302453	351451	390135	459018
Toe Drain	574542	600997	601004	734031	909569	316960	416,494	429777	429777	498945	595949	706649	728589
GRNVLPW1	13506	13510	13510	27866	32348	44690	52,359	52422	60396	60396	62690	62690	62629
	20067	20067	20074	23313	42302	50415	55,176	154692	163674	246433	273773	285658	305804
RS1	332	341	341	1082	1082	1096	1,096	6386	11291	14403	330063	340747	Missed
RS2	1554	1557	1557	1557	1557	1557	1,560	1560	1560	1560	1560	5182	Missed
RS3							205	No Counter	200	200	NO COUNT	NO COUNT	NO COUNT
GRNVLY04	295052	DECOM	DECOM	DECOM	DECOM	DECOM	DECOM	DECOM	DECOM	DECOM	DECOM	DECOM	DECOM
GRNVLY7R	193730	213038	224133	296710	319138	379659	424078	452974	452974	490000	500000	530000	55534
GRNVL08R	70471	71211	71737	73640	74385	76129	77001	78284	78628	80090	80623	81430	81937
GRNVL10R	608	608	608	608	608	612	612	612	612	612	612	612	612
GRNVL13R	153277	155525	157755	161294	161477	167527	169786	176485	183106	190725	196164	205651	211767
GRNVL18R	295	295	295	295	295	295	297	304	304	304	304	320	320
GRNVLY21	70	70	70	96	96	96	363	713	713	713	3180	3180	3180
GRNVLY23	204	204	204	204	204	204	204	217	217	217	13982	93582	169740
GRNVLY25	201803	204096	205063	213931	216883	229204	236186	242506	242506	249594	254910	259973	261421
GRNVL26R	156954	156954	156954	156954	156954	156954	156954	156964	156964	156966	157303	157441	157441
	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed
GRNVLY28	85378	89133	91130	105270	110591	123147	129679	140034	146660	153959	155440	164204	168383
GRNVLY29	120186	120186	120186	120186	120186	120201	120201	120201	120211	120211	120258	120264	120264
	844703	845294	845294	845294	845294	845294	845294	845294	845294	845294	845294	855878	855878
GRNVLY35	19652	19652	19652	19654	19654	19654	19654	19654	19686	20242	21926	25251	27203
	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed
GRNVL41R	98744	98756	98773	98796	98796	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed
GRNV41R2							19073	33906	40996	48619	52978	61110	63147
GRNV43R2							53872	104578	114331	160749	179221	197848	212158
GRNV44R2							260	263	275	275	284	284	284
GRNV46R3							961	3133	3133	3135	3256	3600	3635
GRNV47R2							168601	371653	462700	578566	594033	675948	709316
GRNVL49R	5411	9296	9793	13623	16959	22432	33362	52832	73896	91169	DECOM	DECOM	DECOM
	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed	Removed
GRNVL54R	472803	495387	497012	510382	5993	43275	43275	43275	58219	69828	69833	69838	69838
GRNVLY55	2053	2179	7651	7663	7663	7663	8091	8541	9425	10043	10171	10624	10765
GRNVLY56	59805	60609	62086	64382	65012	65991	91165	104095	105818	115901	115901	116172	117647
GRNVLY57	11721	12209	12424	13518	13845	14639	15148	324727	325430	327516	369353	373085	534684
GRNVLY58	303	303	306	2172	2950	3625	3636	4169	4518	4832	5245	5611	5765
GRNVL59R	116803	120409	121569	122299	123412	127113	130646	135890	143970	153832	167874	180435	184119
GRNVL60R	240	241	241	251	251	251	22176	123734	123745	124091	124116	184900	196135
GRNVLY61	873205	873205	873210	885153	885153	Too tall	Too tall	906899	917153	917178	917186	918482	19721
GRNVLY62	45950	46121	29979	46131	46131	46139	122871	146179	160280	188224	197702	197789	201310
GRNVL63R2							13285	77128	140079	226228	248730	264193	264196
GRNV64R2	816335	13323	289791	300866	313659	366641	398934	472746	486374	542945	574606	583985	583985

pump stuck

ATTACHMENT H

Cover Integrity Inspection

Monthly Cover Integrity Inspection
Surface Monitoring Design Plan

LANDFILL: Green Valley - 2015

Monitoring Control and Compliance, Inc.

Month	Cover Integrity problems found during this inspection	Date Site Notified MCC/Republic Initials	Date Repairs Made Republic Initials	Site Remediation
January 2015	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and north slope. North slope, south slope and top deck have been seeded. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote. Erosion patterns near RS1 and RS2.	1/22/2015 ZA		
February 2015	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and North slope. North slope, south slope and top deck have been seeded. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote. Erosion patterns near RS1 and RS2. Leachate seep near toe drain on Unit I.	2/3/2015 ZA		
March 2015	Distressed vegetation on Unit I near EW17R2. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and North slope. North slope, south slope and top deck have been seeded. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote have been addressed. Erosion patterns near RS1 and RS2. Leachate seep near toe drain on Unit I. North slope of Unit II was snow covered during inspection.	3/3/2015 ZA		
April 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36. Site is addressing erosion and seeps on Unit II. There is additional cover on the top deck and North slope. North slope, south slope and top deck have been seeded. Erosion rills on Unit I between EW17R2 and EW36. Minor odors in the area between EW41R and EW43R and near EW47R. Erosion patterns forming in recent construction area near HW6 remote have been addressed. Erosion patterns near RS1 and RS2. Leachate seep near toe drain on Unit I. Leachate seeps forming on North slope of Unit II near HW5 remote and between PW2 and HW3.	4/2/2015 ZA		
May 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36. Site is addressing erosion and seeps on Unit II. North slope has been completely regraded and looks great. Some lingering leachate stains near HW5, RS1, and RS2. Erosion rills on Unit I between EW17R2 and EW36. Leachate seep near toe drain on Unit I.	5/5/2015 ZA		
June 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36. Site is addressing erosion and seeps on Unit II. North slope has been completely regraded and looks great. Some lingering leachate stains near HW5, RS1, and RS2. Erosion rills on Unit I between EW17R2 and EW36. Leachate seep near toe drain on Unit I.	6/1/2015 ZA		
July 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36. Site is addressing erosion and seeps on Unit II. North slope has been completely regraded and looks great. Some lingering leachate stains near HW5, RS1, and RS2. Minor gas seeps between HW5 and HW7. Erosion rills on Unit I between EW17R2 and EW36. Erosion rills forming in the bottom third of North slope of Unit II most likely due to severity of grade.	7/2/2015 ZA		
August 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36 and near EW16. Site is addressing erosion and seeps on Unit II. North slope has been completely regraded and looks great. Some lingering leachate stains near HW5, RS1, and RS2. Minor gas seeps between HW5 and HW7. Erosion rills on Unit I between EW17R2 and EW36. Erosion rills forming in the bottom third of North slope of Unit II most likely due to severity of grade.	8/5/2015 ZA		
September 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36 and near EW16. Site is addressing erosion and seeps on Unit II. North slope has been completely regraded. Erosion patterns forming on North slope after regrading. Some lingering leachate stains near HW5, RS1, and RS2. Minor gas seeps between HW5 and HW7. Erosion rills on Unit I between EW17R2 and EW36.	9/4/2015 ZA		
October 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36 and near EW16. Site is addressing erosion and seeps on Unit II. North slope has been completely regraded. Erosion patterns forming on North slope after regrading. Some lingering leachate stains near HW5, RS1, and RS2. Erosion rills on Unit I between EW17R2 and EW36.	10/2/2015 ZA		
November 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36 and near EW16. Erosion patterns forming on North slope after regrading. Some lingering leachate stains near HW5, RS1, and RS2. Erosion rills on Unit I between EW17R2 and EW36. Site is currently seeding all areas void of proper vegetation. Site is also working to repair areas affected by damaged leachate line near DL-7.	11/3/2015 ZA		
December 2015	Distressed vegetation and leachate seep on Unit I near EW17R2. Soft spot between EW17R2 and EW36 and near EW16. Newly installed diversion berms are successfully combating erosion on North Slope of Unit II. Some lingering leachate stains near HW5, RS1, and RS2. Erosion rills on Unit I between EW17R2 and EW36. Site is currently seeding all areas void of proper vegetation.	12/4/2015 ZA		

ATTACHMENT I

Additional Miscellaneous Information

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: PW1

Site Information

Technician	Zack Ankney
Date	12/16/15
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-1352
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	18.3
Well Depth (ft)	34
Drill log Depth (ft)	
Pump Set Depth (ft)	32.5
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 62693
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 for compliance purposes. Cycling properly.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 26R

Site Information

Technician	Zack Ankney
Date	12/17/15
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3366
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	40.6
Well Depth (ft)	47.7
Drill log Depth (ft)	
Pump Set Depth (ft)	43.8
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 157441
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 110
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			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: 13R

Site Information

Technician	Zack Ankney
Date	12/17/15
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-3723
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	49.5
Well Depth (ft)	52
Drill log Depth (ft)	
Pump Set Depth (ft)	50.8
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 211767
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 90
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			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. Repaired leaking compression fitting.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: EW57

Site Information

Technician	Zack Ankney
Date	12/17/15
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-9557
Tri-Tubing Diameter	3/4"
Well Diameter	6
Well Construction	HDPE
Depth to Liquid (ft)	40.4
Well Depth (ft)	46.7
Drill log Depth (ft)	
Pump Set Depth (ft)	45.6
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 534684
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 105
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. Adjusted magnets to facilitate longer stroke.

Parts Required for Repair/Replacement

Pneumatic Pump Maintenance Form

Monitoring Control and Compliance, Inc.

Installation Point: 43R2

Site Information

Technician	Zack Ankney
Date	12/17/15
Site	Green Valley
Pump Type	AP4+
Pump ID	S/N: 4-15235
Tri-Tubing Diameter	3/4"
Well Diameter	8
Well Construction	PVC
Depth to Liquid (ft)	38.9
Well Depth (ft)	50.7
Drill log Depth (ft)	
Pump Set Depth (ft)	49.9
Pump Operational	Yes

Equipment Inspection

Equipment/Materials	OK	Needs Service	Comments
Counter	x		Count: 212159
Wellhead with compression fittings	x		
Hoses	x		
Hose Barbs	x		
Clamps	x		
Quick Connect Fittings	x		
Regulator	x		Setpoint (psi): 110
Regulator Particulat Filter	x		
Condensation Trap	x		
Air Line PSI			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. Installed compression fitting to exhaust pump under vacuum in an attempt to gain more perforation.

Parts Required for Repair/Replacement

Green Valley Landfill
Over 58% Methane Table
December 2015

Well ID	1/8/15	1/22/15	2/3/15	2/17/15	3/3/15	3/18/15	4/2/15	4/17/15	5/5/15	5/20/15	6/1/15	6/16/15	7/2/15	7/27/15	8/5/15	8/20/15	9/4/15	9/17/15	10/1/15	10/16/15	11/3/15	11/17/15	12/4/15	12/16/15	Field Comment	Suggested fix
GRNVL17R2		59.6				59.5																				
GRNV27RR					61.8																					Additonal Tuning
GRNV50R3						58																				
GRNV64R2		59.4				58.9		58.9	59.1																max applied	
GRNV65R2	59.5		60.5			61.4																			Previously out of compliance for D2	Additonal Tuning
GRNVL08R					58.3																					Additonal Tuning
GRNVL10R					63.5						63.2	62.4	61.7													Additonal Tuning
GRNVL13R		58	61.8	61.1		60.4				63.2	58.5		60	59.1										Pump has been repaired	Additonal tuning
GRNVL18R						58.4							58.1													Additonal tuning
GRNVL26R						58.4								59.4											Max applied	
GRNVL38R					67.2																					Additonal Tuning
~~GRNVL41R~~			~~61.7~~		~~64.1~~	~~62.1~~		~~63~~																	~~DECOMMISSIONED~~	~~DECOMMISSIONED~~
GRNV41R2										61	61.4	63.8	63.1	63.4						58.6						Pull harder
GRNV43R2										61.7	61.6	60.5	61.2	61.3	60.7	61.3	61	60.2	60.9	61	60.3	60.4		62.1	Max applied	Additonal Tuning
GRNV44R2										60.9	60.4	58.2						59.2	59.5	59.6	58.6	59	59.9			Pull harder
GRNV46R3										60.6												59	59.1		pump stalled due to FM pressure	Jet FM
~~GRNVL47R~~					~~61.3~~				~~58.8~~																~~DECOMMISSIONED~~	~~DECOMMISSIONED~~
GRNV47R2										62.5	61.7	59.1	59.3			59.3									New install	Additional tuning
GRNVL49R	62.2		58.4		62.2	61.1		62.1		62.5	63	61	61.7	61.9	60	61.5	59.5	60.6	58.2	60.3		60	60.6	60	max applied	Poli harder
GRNVL52R			58.2		62.3	63.3		63.7	63.1	61.5	60.3	60.2	59.4	58.8					65.3	63.5	61.5	62.6				Pull harder
GRNVL54R					63.9	66							58.8	60.6						68.6		58.6	64.1	59.4		Poli harder
GRNVL59R											62.6	60.7	61.8	62.8			61.8		61.9	65.7		62.1	64.2		Max applied	
GRNVL60R		61.2									59.3	61.8	63.3							60.5	63.5		65.1		max applied	
GRNV63R2										59.9	61.1	61.5	61.3	63.6	60.3	60.3		60.8	61.2	58.2	59.3	60.7	60.8	58.5	max applied	
GRNV64R2										60.1				58.2			58.6			60	59.5	58.5		58.6	max applied	
GRNV65R3																			59.5	60	59.8	59.3		59.8		Poli harder
GRNVCO02							58.7														59.6				Max applied	
GRNVLHW1			64.1			65.8							59.1					61.2						63	Burp variance	Additonal Tuning
GRNVLHW3					61.8	63.9												61		61.5			62.7		Burp variance	Additonal Tuning
GRNVLHW4						62.6										59.5		61.1	60.8	61.6			62.1		Burp variance	Additonal Tuning
GRNVLHW5	63.2				62			61	60.2							60.6		60.6	59.9	59.5			60.2		Burp variance	Additonal Tuning
GRNVLHW6		59	59.4			62.9	59.2	62																		Additonal Tuning
GRNVLHW7			60.2					60.5					59.7										60.2			Additonal Tuning
GRNVLHW8			59.9					59.7													59.8		60.3			Additonal Tuning
GRNVLHW9										60.8											61				New install	
GRNVLPW1					61	61.5		61.4		60.7			61			59.3	61	60.2	59.6							Pump stuck in well
GRNVLPW2			59.5		58.6		60.1	59	59.1				59.4					58.8	58.9	58.3	58.7	58.8	59.4	59.9	Max applied	Pump stuck in well
GRNVLY01					60.1	61.7	59.5							61.4										58.7		Additonal Tuning
GRNVLY02					62.5	61.3								58.7											max applied	Additonal Tuning
GRNVLY03	59.6	60.7			61.9	61.8	61.8	62.1	62.2	59.3			61.6	60.3	59										Max applied	
GRNVLY12			58.7			58.7		60.2																	Max applied	
GRNVLY16		62.1				61			60.6					60.1											Max applied	
GRNVLY19						61																				
GRNVLY20						60.2																				
GRNV_Y21						61.2		61.4	61.2	59.8	60.5	59.6	61.6	60.8	59.3	59.1		58.6	58.5						Max applied	
GRNVLY22		62.1				62.6	60.6	62.7	62.1	58.8				61.1	60.3										Max applied	
GRNVLY23					58.7	59.2	58.9	59	59.8					60.8	58.2											Additional tuning
GRNVLY24														58.7												Additional tuning
GRNV_Y25						60																				
GRNVLY28						59.3		60.7	60.6	60.1			60.8	59.5												Additonal Tuning
GRNVLY30			61.6			59		62.9					58.8													Additonal Tuning
GRNVLY31						59.1							59.8	60.4	59.1											Additonal Tuning
GRNVLY34						59.8																				
GRNVLY35					59.3														58	59.4	60					Pull harder
GRNV_Y36						58.8																				
GRNVLY37					58.7	64.3																				Additonal Tuning
GRNVLY55	58.3				62.7	60.7		62.3	62.2	61.6	61.4	60.7	61.2	59.6	60.3	59.6		59.7	59.2		60.1		60.8	61.2	Force main restricted	Jetting or Jumper Line
GRNVLY56					58	59.7							60.4							59.6	59.2	58.2			Max applied	
GRNV_Y57					60.5	58.9		59.5																	Max applied	
GRNV_Y58					59.5	59.8		61.1															59.8			Additonal Tuning
GRNV_Y61						60.2					58.3	59.1					58.9					59.4	66.3		was positive pressure	
GRNV_Y66																			61.2	62.2	60.9	59.7			new install	
GRNV_Y67																			58.6	59.2					new install	

Total wells 58%	5	8	12	1	23	35	8	23	13	18	14	14	23	21	9	9	6	12	16	19	15	14	16	10
Monitoring points	63	63	63	63	63	63	63	63	63	63	64	64	64	64	64	64	64	64	66	66	66	66	66	66
Percentage	7.94%	12.70%	19.05%	1.59%	36.51%	55.56%	12.70%	36.51%	20.63%	28.57%	21.88%	21.88%	35.94%	32.81%	14.06%	14.06%	9.38%	18.75%	24.24%	28.79%	22.73%	21.21%	24.24%	15.15%

	January	February	March	April	May	June	July	August	Sept	Oct	November	December
Month Total	12	12	44	26	24	15	31	13	15	22	20	21
	19.05%	19.05%	69.84%	41.27%	38.10%	23.44%	48.44%	20.31%	23.44%	33.33%	30.30%	31.82%

LFG Extraction Well Liquid Levels
Site Name: Green Valley

DECEMBER 2015

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
GRNVL13R	GRNVL13R	12/17/15			49.5	52	Y		211767	Pulled, inspected, cleaned pump. Cycling properly. Repaired leaking compression fitting.
GRNVL26R	GRNVL26R	12/17/15			40.6	47.7	Y		157441	Pulled, inspected, cleaned pump. Cycling properly.
GRNV43R2	GRNV43R2	12/17/15			38.9	50.7	Y		212159	Pulled, inspected, cleaned pump. Cycling properly. Installed compression fitting to exhaust pump under vacuum in an attempt to gain more perforation.
GRNVLY57	GRNVLY57	12/17/15			40.4	46.7	Y		534684	Pulled/inspected/cleaned pump. Cycling properly. Adjusted magnets to facilitate longer stroke.
GRNVLPW1	GRNVLPW1	12/16/15			18.3	34	Y		62693	Pulled and exchanged pump for compliance purposes. Cycling properly.

Calibration Precision Record

Monitoring Control and Compliance, Inc.

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

Monitoring Date: Thursday, December 17, 2015 Performed By: Zack Ankney

Time: 14:30:00 Expiration Date: 3/17/2015

Instrument Make/Model: Trimble Site FiD Serial Number TLDD0303

Calibration Gas Standard: 500.0 ppm CH4 (STD)

Measurement #1:

Meter Reading for zero air 0.0 ppm (1)

Meter Reading for Calibration Gas: 503.7 ppm (2)

Measurement #2:

Meter Reading for zero air 0.0 ppm (3)

Meter Reading for Calibration Gas: 499.4 ppm (4)

Measurement #3:

Meter Reading for zero air 0.0 ppm (5)

Meter Reading for Calibration Gas 500.6 ppm (6)

Calculate 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 (4th Quarter 30-Day Rechecks)**

Monitoring Date: Thursday, December 17, 2015 Time: 14:30:00

Instrument Make/Model: Trimble Site FID Serial Number TLDD0303

Measurement #1

Stabilized Reading using calibation gas	503.7	ppm
90% of the stabilized reading =	453.33	ppm
Time to reach 90% of stabilized reading after switching from zero air to calibration gas.	6	seconds (1)

Measurement #2

Stabilized reading using calibration 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.	5	seconds (2)

Measurement #3

Stabilized reading using calibration gas	500.6	ppm
90% of the stabilized reading =	450.54	ppm
Time to reach 90% of stabilized reading after switching from zero air to calibration gas.	5	seconds (3)

Calculate Response Time = 5.33 seconds (must be less than 30 seconds)

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

Performed By: Zack Ankney Date: 12/17/15

Calibration Procedure and Background Report

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

Instrument Make/Model: Trimble Site FiD Serial Number TLDD0303

Calibration Procedure

1. Allow instrument to zero itself while introducing zero air.
2. Introduce calibration gas into the probe.
   Stabilized reading = 502.4 ppm
3. Adjust meter settings to read 500 ppm

Backround Determination Procedure

1. Upwind background reading (highest in 30 seconds) 2.3 ppm (1)
2. Downwind reading (highest in 30 seconds) 2.8 ppm (2)

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

Background = 2.55 ppm

Performed By: Zack Ankney

Date: 12/17/15 Time 14:30:00

Quarterly Surface Monitoring Log Sheet

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

Performed By: Zack Ankney

Date: Thursday, December 17, 2015

Start Time: 14:30:00

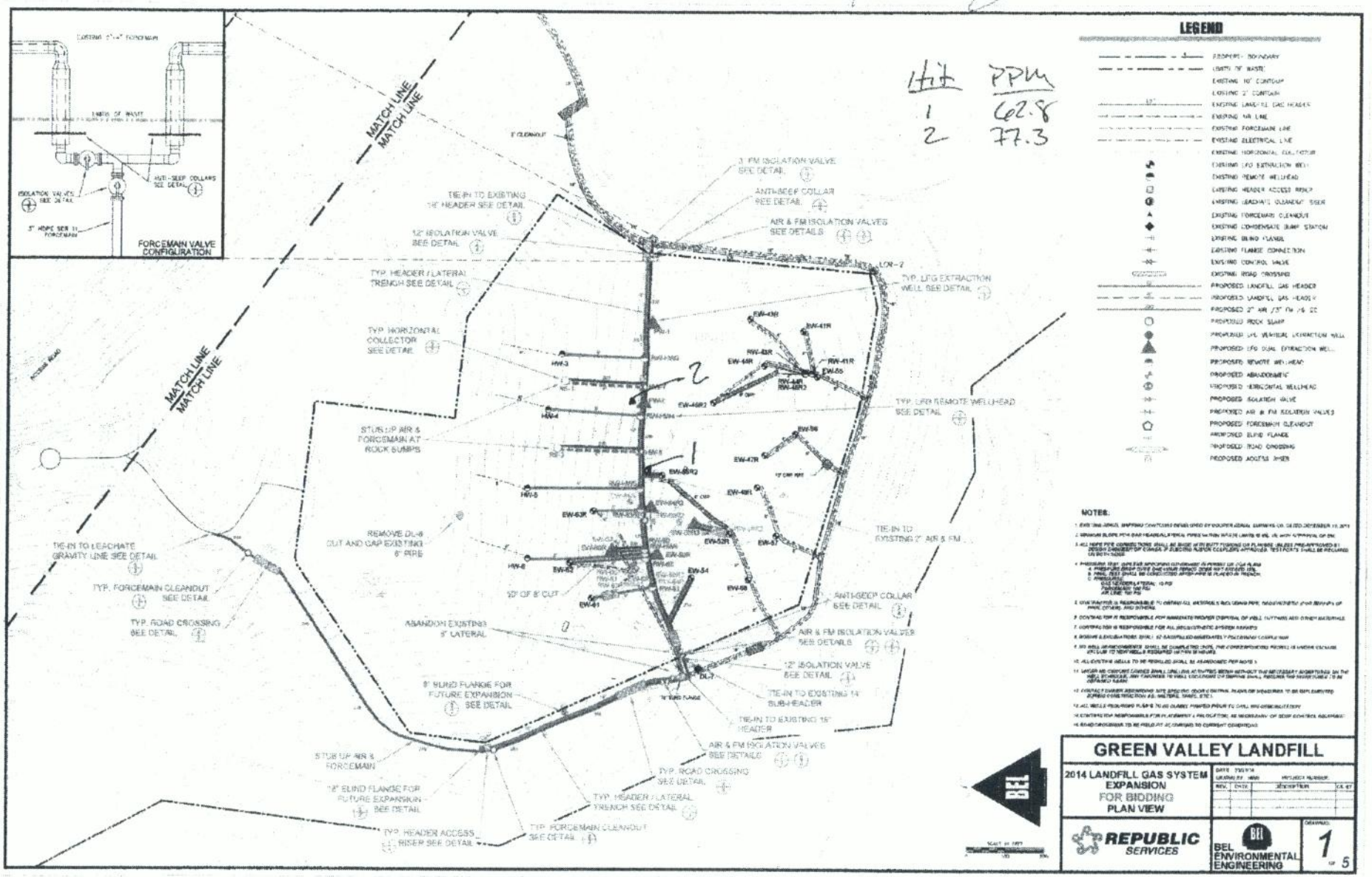
Exceedance Identifier	Location and Time	Concentration of Exceedance (ppm)
Hit 1	20 feet North of 65R3 / 14:54	62.8
Hit 2	40 feet North of 46R / 14:49	77.3

WEATHER CONDITIONS:

Temperature:	48 ° F
Barametric Pressure:	29.82 In.
Wind Speed/Direction:	ENE @ 2 MPH
Conditions:	Partly Cloudy

Green Valley 4th Qtr 30 Day Readings 12/17/15

Unit	PPM
1	62.8
2	77.3



Best Available Copy

ATTACHMENT J

Rolling Data Table

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W17R2	12/5/14 9:54	60.5	36.3	0	3.2	96.2	-2.37	-2.55	19.38	-15.49	Good;No Repair Needed;Slightly Open
W17R2	12/5/14 9:55	60.3	36.7	0	3	97.4	-2.64		25.81	-15.32	2nd Reading;Good;No Repair Needed
W17R2	12/18/14 9:50	57.7	36.3	0	6	97.2	-4		40.64	-17.48	Good;No Change;No Repair Needed
W17R2	1/22/15 10:04	59.6	37.4	0	3	96.7	-6.86	-7.55	22.99	-18.26	Good;No Repair Needed;Slightly Open
W17R2	1/22/15 10:05	59.4	38	0	2.6	98.6	-7.55		36.43	-17.35	2nd Reading;Good;No Repair Needed
W17R2	2/3/15 10:20	51.3	34.9	0	13.8	98.9	-11.65		31.27	-20.37	Good;No Change;No Repair Needed
W17R2	3/3/15 10:25	57.5	34.7	0	7.8	99.5	-5.39	-5.74	31.98	-14.5	Good;No Repair Needed;Slightly Open
W17R2	3/3/15 10:26	57.1	35.2	0	7.7	100	-5.78		44.67	-14.33	2nd Reading;Good;No Repair Needed
W17R2	3/18/15 10:00	59.5	34.6	0	5.9	100.4	-8.97		38.55	-16.14	Good;No Change;No Repair Needed
W17R2	4/2/15 10:02	53.8	33	0.2	13	101.9	-8.89		43.27	-18.34	Good;No Change;No Repair Needed
W17R2	4/17/15 12:41	53.2	33.9	0	12.9	102.1	-9.23		26.4	-15.88	Good;No Change;No Repair Needed
W17R2	5/5/15 10:23	54.5	33	0	12.5	102.8	-11.95	-12.38	41.3	-21.62	Good;No Repair Needed;Slightly Open
W17R2	5/5/15 10:24	54	33.9	0	12.1	103	-12.42		53.47	-19.51	2nd Reading;Good;No Repair Needed
W17R2	5/20/15 12:51	49.2	32.4	0.1	18.3	103.3	-11.65		47.76	-20.5	Good;No Change;No Repair Needed
W17R2	6/1/15 12:34	49.5	32.5	0	18	103.3	-11.69		53.35	-21.84	Good;No Change;No Repair Needed
W17R2	6/16/15 13:01	49.1	32.9	0	18	103.9	-8.67		45.16	-14.54	Good;No Change;No Repair Needed
W17R2	7/2/15 11:27	54.5	34.7	0	10.8	103.2	-10.27	-10.61	58.21	-20.16	Good;No Repair Needed;Slightly Open
W17R2	7/2/15 11:28	54.4	35.4	0	10.2	103.2	-10.27		55.77	-18.04	2nd Reading;Good;No Repair Needed
W17R2	7/27/15 13:12	51	35	0	14	103.9	-9.92		45.49	-15.19	Good;No Change;No Repair Needed
W17R2	8/5/15 13:26	50	34.6	0	15.4	104.1	-13.29		51.49	-21.36	Good;No Change;No Repair Needed
W17R2	8/20/15 13:18	47.2	34.3	0	18.5	103.9	-12.64	-12.3	57.71	-23.22	Good;No Repair Needed;Slightly Closed
W17R2	8/20/15 13:19	47.1	34.5	0	18.4	103.8	-12.3		53.05	-20.67	2nd Reading;Good;No Repair Needed
W17R2	9/4/15 10:21	44.1	33.2	0.3	22.4	104.5	-11.04	-10.35	50.33	-19.68	Good;No Repair Needed;Slightly Closed
W17R2	9/4/15 10:22	44	33.1	0.3	22.6	104.4	-10.01		35.85	-19.42	2nd Reading;Good;No Repair Needed
W17R2	9/17/15 13:08	49.8	33.6	0.1	16.5	104.5	-9.58		45.98	-23.31	Good;No Change;No Repair Needed
W17R2	10/1/15 14:08	48.7	34.7	0	16.6	102.7	-8.63		61.39	-18.69	Good;No Change;No Repair Needed
W17R2	10/16/15 13:00	52	35.2	0	12.8	103.3	-10.35		16.54	-20.67	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W17R2	11/3/15 11:07	49.2	35.3	0	15.5	102.3	-9.97		47.33	-22.18	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W17R2	11/18/15 12:33	48.6	34.2	0	17.2	102.7	-7.94		46.61	-20.33	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W17R2	12/4/15 12:53	50	33.6	0	16.4	102.6	-11.86		37.65	-22.87	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W17R2	12/16/15 10:51	50.4	33	0	16.6	102.7	-9.62		33.55	-20.2	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W27RR	12/5/14 11:41	57.5	34.2	0	8.3	119.9	-1.31		10.62	-17.26	Good;No Change;No Repair Needed
W27RR	12/18/14 11:37	57.1	35.1	0.1	7.7	118.3	-1.4		6.7	-18.69	Good;No Change;No Repair Needed
W27RR	1/22/15 12:15	44.6	33.6	0.3	21.5	117.3	-2.28	-1.93	9.68	-23.31	Good;No Repair Needed;Slightly Closed
W27RR	1/22/15 12:16	44.3	34.7	0.3	20.7	112.8	-1.76		2.96	-23.22	2nd Reading;Good;No Repair Needed
W27RR	2/3/15 12:29	47.3	33.7	0.3	18.7	87	-0.94	-0.92	2.14	-25.55	Good;No Repair Needed;Slightly Closed
W27RR	2/3/15 12:30	46.5	33.8	0.3	19.4	87	-0.86		2.38	-27.32	2nd Reading;Good;No Repair Needed
W27RR	3/3/15 12:02	61.8	35.9	0	2.3	62.5	1.16	-0.15	7.06	-14.2	Good;No Repair Needed;Slightly Open
W27RR	3/3/15 12:03	61	37.8	0	1.2	97	-0.06		12.9	-13.47	2nd Reading;Good;No Repair Needed
W27RR	3/18/15 11:33	57.1	34.3	0.3	8.3	113.3	-2.11		9.5	-16.57	Good;No Change;No Repair Needed
W27RR	4/2/15 11:46	51.5	33.4	0.2	14.9	116.9	-2.31		11.36	-21.8	Good;No Change;No Repair Needed
W27RR	4/17/15 13:20	51.6	33.5	0.1	14.8	116.3	-2.11		12.03	-18.99	Good;No Change;No Repair Needed
W27RR	5/5/15 13:06	52.6	34	0	13.4	122.9	-2.44		13.44	-26.03	Good;No Change;No Repair Needed
W27RR	5/20/15 13:30	51.9	34.5	0	13.6	123.2	-2.16		14.87	-24.95	Good;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W27RR	6/1/15 13:06	52.7	34.4	0	12.9	119.6	-2.17		7.44	-23.95	Good;No Change;No Repair Needed
W27RR	6/16/15 13:39	53.9	35.7	0	10.4	122.3	-1.67		8.15	-19.59	Good;No Change;No Repair Needed
W27RR	7/2/15 13:09	57.4	35.6	0	7	118	-1.67	-2.05	9	-17.61	Good;No Repair Needed;Slightly Open
W27RR	7/2/15 13:10	57.5	37.3	0	5.2	119.6	-2.4		12.46	-17.61	2nd Reading;Good;No Repair Needed
W27RR	7/27/15 14:49	55.4	37.2	0	7.4	124	-2.7	-2.86	14.65	-16.92	Good;No Repair Needed;Slightly Open
W27RR	7/27/15 14:50	54.4	37.3	0	8.3	124.5	-3.12		17.06	-16.7	2nd Reading;Good;No Repair Needed
W27RR	8/5/15 13:57	45.1	35.1	0	19.8	125.4	-4.96	-3.49	19.68	-29	Good;No Repair Needed;Slightly Closed
W27RR	8/5/15 13:58	43.3	35.6	0.1	21	123.8	-2.7		9.12	-29.35	2nd Reading;Good;No Repair Needed
W27RR	8/20/15 13:49	51.3	35.2	0	13.5	120.7	-1.57		7.12	-25.85	Good;No Change;No Repair Needed
W27RR	9/4/15 12:02	51.9	36.3	0	11.8	124	-1.73		9.87	-27.97	Good;No Change;No Repair Needed
W27RR	9/17/15 13:47	52.8	35.3	0.2	11.7	123.3	-1.33		8.64	-26.28	Good;No Change;No Repair Needed
W27RR	10/1/15 15:09	53.3	37.3	0	9.4	116.1	-1.61		8.07	-29.91	Good;No Change;No Repair Needed
W27RR	10/16/15 14:02	54.5	37.6	0	7.9	121.5	-1.56	-1.69	6.35	-28.96	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W27RR	10/16/15 14:04	55	37.9	0	7.1	122.2	-1.86		9.11	-29.31	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W27RR	11/3/15 11:30	48.9	37.5	0	13.6	114.3	-1.88		10.26	-23.17	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W27RR	11/18/15 11:10	53.5	36.3	0	10.2	122	-1.46	-1.61	7.67	-29.09	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W27RR	11/18/15 11:11	54.3	36.8	0	8.9	122.7	-1.82		9.87	-28.36	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W27RR	12/4/15 13:21	49.1	35	0	15.9	123.1	-2.51		11.11	-28.14	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W27RR	12/16/15 13:35	51.7	34.9	0	13.4	124.5	-2		10.36	-28.44	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W41R2	5/20/15 9:50	61	37.9	0	1.1	75.7	1.45	-0.67	4.88	-26.24	Good;No Repair Needed;Slightly Open
W41R2	5/20/15 9:51	60.1	39.4	0	0.5	75.9	-1.57		6.85	-26.59	2nd Reading;Good;No Repair Needed
W41R2	6/1/15 9:52	61.3	38.7	0	0	86.8	1.26	-0.22	0	-15.19	Good;No Repair Needed;Slightly Open
W41R2	6/1/15 9:53	61.4	38.6	0	0	92.9	-1.4		9.55	-15.02	2nd Reading;Good;No Repair Needed
W41R2	6/16/15 9:47	62.9	36.6	0	0.5	107.2	-5.18	-5.82	10.09	-22.23	19073;Good;No Repair Needed;Slightly Open
W41R2	6/16/15 9:49	63.3	36.3	0	0.4	107.7	-6.56		13.42	-22.83	2nd Reading;Good;No Repair Needed
W41R2	7/2/15 8:34	62.6	37.2	0	0.2	105.4	-5.82	-6.51	9.34	-18	25544;Good;No Repair Needed;Slightly Open
W41R2	7/2/15 8:35	63.1	36.5	0	0.4	107	-8.93		12.24	-22.87	2nd Reading;Good;No Repair Needed
W41R2	7/27/15 10:27	62.8	36.7	0	0.5	107.4	-9.28	-11.65	16.66	-18.99	33906;Good;No Repair Needed;Slightly Open
W41R2	7/27/15 10:27	63.4	35.7	0	0.9	108.5	-13.76		18.45	-19.34	2nd Reading;Good;No Repair Needed
W41R2	8/5/15 10:04	46.3	32.2	0	21.5	109.5	-23.17	-22.26	19.74	-30.64	34952;Good;No Repair Needed;Slightly Closed
W41R2	8/5/15 10:05	46.5	30.8	0	22.7	109.2	-20.53		16.57	-30.3	2nd Reading;Good;No Repair Needed
W41R2	8/20/15 10:07	49.6	33.9	0	16.5	107.9	-17.86		18.08	-26.59	40996;Good;No Change;No Repair Needed
W41R2	9/4/15 8:18	44.7	32	0.1	23.2	110.3	-17.47	-16.78	16.97	-28.1	44580;Good;No Repair Needed;Slightly Closed
W41R2	9/4/15 8:19	44.9	30.5	0.1	24.5	109.8	-15.62		14.57	-26.72	2nd Reading;Good;No Repair Needed
W41R2	9/17/15 10:25	51.2	34	0.1	14.7	109.9	-15.62		15.09	-31.12	47106;Good;No Change;No Repair Needed
W41R2	10/1/15 10:45	52.1	33.5	0.1	14.3	104.4	-16.87		12.18	-30.17	49064;Good;No Change;No Repair Needed
W41R2	10/16/15 9:35	58.6	35	0	6.4	107.8	-14.8	-16.18	12.24	-31.64	Valve Comment:"52978";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W41R2	10/16/15 9:37	57.2	34	0	8.8	108.7	-17.73		14.58	-27.19	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W41R2	11/3/15 8:55	53.1	33.2	0	13.7	109.2	-20.45		21.16	-30.9	Valve Comment:"56837";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W41R2	11/18/15 9:46	52.4	32.7	0	14.9	109.2	-16.87		16.05	-25.33	Valve Comment:"59762";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W41R2	12/4/15 9:18	57.5	33.9	0	8.6	107.1	-18.68	-19.33	13.34	-25.59	Valve Comment:"63147";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W41R2	12/4/15 9:19	56.8	29.5	0	13.7	108	-20.71		18.35	-25.25	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W41R2	12/16/15 9:04	51.6	34.4	0	14	107.6	-22.74		42.82	-27.1	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W43R2	5/20/15 9:43	61.7	36.5	0	1.8	75.5	1.26	-0.23	0	-26.28	Good;No Repair Needed;Slightly Open
W43R2	5/20/15 9:47	56.9	33.8	0.7	8.6	76.1	-0.09		10.12	-26.33	2nd Reading;Good;No Repair Needed
W43R2	6/1/15 9:49	61.6	38.4	0	0	63.7	64.06	-0.03	13.55	-16.92	15642;Good;No Repair Needed;Slightly Open
W43R2	6/1/15 9:50	61.5	38.5	0	0	95.4	-2.68		36.99	-14.98	2nd Reading;Good;No Repair Needed
W43R2	6/16/15 9:43	60.2	39.4	0	0.4	97.1	-19.63	-15.4	11.73	-21.62	53872;Good;No Repair Needed;Slightly Closed
W43R2	6/16/15 9:45	60.5	39.5	0	0	96.7	-11		10.73	-22.1	2nd Reading;Good;No Repair Needed
W43R2	7/2/15 8:31	61.2	38.1	0	0.7	94.4	-1.6	-1.95	9.92	-18.69	76823;Good;No Repair Needed;Slightly Open
W43R2	7/2/15 8:31	61	39	0	0	94.8	-2.63		9.5	-18.3	2nd Reading;Good;No Repair Needed
W43R2	7/27/15 10:23	60.9	36.6	0	2.5	98.1	-5.48	-6.82	12.14	-19.08	104678;Good;No Repair Needed;Slightly Open
W43R2	7/27/15 10:24	61.3	38.7	0	0	98.7	-11.35		17.54	-23.09	2nd Reading;Good;No Repair Needed
W43R2	8/5/15 10:01	60.7	38	0	1.3	100.4	-23.21	-24.29	14.42	-30.99	114331;Good;No Repair Needed;Slightly Open
W43R2	8/5/15 10:02	59.9	38.9	0	1.2	100.5	-25.63		11.51	-30.47	2nd Reading;Good;No Repair Needed
W43R2	8/20/15 10:04	61.3	38.6	0.1	0	98.9	-25.84	-27.18	15.46	-30.17	Good;No Repair Needed;Slightly Open
W43R2	8/20/15 10:05	60.7	39.3	0	0	99.2	-28.43		19.82	-30.21	2nd Reading;Good;No Repair Needed
W43R2	9/4/15 8:15	61	36.9	0.2	1.9	99.9	-26.57		18.48	-27.71	143415;Good;No Change;No Repair Needed
W43R2	9/17/15 10:22	60.2	38.3	0.1	1.4	100.4	-29.29		17.11	-30.13	154102;Good;No Change;No Repair Needed
W43R2	10/1/15 10:41	60.9	38.2	0.1	0.8	97.5	-29.68		20.05	-31.81	168015;Good;No Change;No Repair Needed
W43R2	10/16/15 9:31	61	37.9	0	1.1	98.8	-25.5		6.11	-26.5	Valve Comment:"179221";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W43R2	11/3/15 8:52	60.3	38.4	0	1.3	100	-29.59		13.08	-30.25	Valve Comment:"189649";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W43R2	11/18/15 9:44	60.4	37.5	0	2.1	99.3	-24.5		15.25	-26.97	Valve Comment:"197848";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W43R2	12/4/15 9:15	57.7	34.7	0.3	7.3	96.3	-25.58		17.06	-26.11	Valve Comment:"203779";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W43R2	12/16/15 9:01	62.1	36.7	0	1.2	99.1	-25.84		16.15	-26.46	Valve Comment:"212020";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W44R2	5/20/15 10:40	60.9	38.9	0	0.2	68.1	6.3	-0.52	8.62	-26.59	Good;No Repair Needed;Slightly Open
W44R2	5/20/15 10:41	60.9	39	0	0.1	103.4	-0.63		44.61	-26.11	2nd Reading;Good;No Repair Needed
W44R2	6/1/15 10:37	60.4	37.7	0.3	1.6	99.4	-2.88	-3.47	50.03	-25.55	243;Good;No Repair Needed;Slightly Open
W44R2	6/1/15 10:38	60	38	0.3	1.7	99.9	-3.83		57.35	-25.55	2nd Reading;Good;No Repair Needed
W44R2	6/16/15 10:38	58.2	37.7	0.1	4	103.7	-3.19	-3.84	47.92	-21.02	260;Good;No Repair Needed;Slightly Open
W44R2	6/16/15 10:39	58.1	38.3	0.1	3.5	104.1	-4.21		49.96	-20.76	2nd Reading;Good;No Repair Needed
W44R2	7/2/15 9:20	57.1	38.1	0	4.8	101.6	-3.71	-4.49	41.5	-17.87	263;Good;No Repair Needed;Slightly Open
W44R2	7/2/15 9:21	57.3	38.4	0	4.3	102.7	-5.78		56.16	-19.81	2nd Reading;Good;No Repair Needed
W44R2	7/27/15 11:09	53.4	35.8	0.6	10.2	107.9	-5.69		52.1	-19.21	263;Good;No Change;No Repair Needed
W44R2	8/5/15 10:57	45.2	34.5	2.4	17.9	111.2	-9.02	-7.33	60.9	-31.07	263;Good;No Repair Needed;Slightly Closed
W44R2	8/5/15 10:58	46.1	32.7	2.2	19	111.1	-6.56		45.19	-30.38	2nd Reading;Good;No Repair Needed
W44R2	8/20/15 10:50	51.5	38	1	9.5	113.5	-4.18		46.77	-24.51	275;Good;No Change;No Repair Needed
W44R2	9/4/15 8:27	29.4	21.5	10.6	38.5	110.1	-1.05	-0.15	64.28	-33.58	275;Fair;No Repair Needed;Slightly Closed
W44R2	9/4/15 8:29	44.4	29.1	4.9	21.6	106.3	-0.14		12.7	-30.04	2nd Reading;Good;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W44R2	9/17/15 10:33	59	38.8	0.1	2.1	109.6	-0.04	-0.29	23.31	-31.16	275;Good;No Repair Needed;Slightly Open
W44R2	9/17/15 10:34	59.2	39.2	0.1	1.5	109.9	-0.37		27.62	-30.04	2nd Reading;Good;No Repair Needed
W44R2	10/1/15 10:48	59.4	37.5	0	3.1	109	-0.19	-0.68	30.69	-30.51	275;Good;No Repair Needed;Slightly Open
W44R2	10/1/15 10:49	59.5	39.6	0	0.9	108.9	-0.71		32.79	-29.39	2nd Reading;Good;No Repair Needed
W44R2	10/16/15 9:40	59.6	38.8	0	1.6	103.8	-1.53	-1.69	23.59	-24.73	Valve Comment:"284";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W44R2	10/16/15 9:41	59.4	40.2	0	0.4	101.3	-1.68		36.83	-24.73	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W44R2	11/3/15 8:05	58.5	38.2	0	3.3	105.1	-1.82	-2.23	35.93	-27.28	Valve Comment:"284";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W44R2	11/3/15 8:07	58.6	39.2	0	2.2	106.9	-2.47		43.32	-25.98	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W44R2	11/18/15 9:02	41.1	29	6.4	23.5	108.1	-1.13	-0.43	47.93	-26.97	Valve Comment:"284";Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
W44R2	11/18/15 9:02	40.9	28.3	6.2	24.6	106.7	-0.23		23.66	-27.02	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W44R2	11/18/15 10:27	59	37.6	0	3.4	102.6	-0.29		25.05	-31.16	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W44R2	12/4/15 8:29	59.2	38.2	0	2.6	101.7	-0.05	-0.06	7.14	-27.19	Valve Comment:"284";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W44R2	12/4/15 8:30	59.9	39	0	1.1	101.5	-0.22		28.98	-26.85	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W44R2	12/16/15 8:17	57.5	35	0	7.5	104.4	-0.58		28.51	-25.81	Valve Comment:"284";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W46R2	12/5/14 8:49	17.4	15.2	11.1	56.3	43.4	-0.01	-0.01	4.93	-18.56	Fair;No Change;No Repair Needed
W46R2	12/5/14 8:50	16.1	11	12.7	60.2	42	-0.01		7.68	-18.26	2nd Reading;Fair;No Repair Needed
W46R2	12/18/14 8:46	6.7	16.6	15.7	61	32	-2.23	-2.24	0	-20.37	Fair;No Repair Needed;Slightly Closed
W46R2	12/18/14 8:47	12	8.4	13.9	65.7	29.7	-2.64		0	-20.8	2nd Reading;Fair;No Repair Needed
W46R2	1/8/15 9:17	9.5	18.8	13.5	58.2	12.5	-3.9	-3.9	0	-23.05	Fair;No Repair Needed;Slightly Closed
W46R2	1/8/15 9:18	13.8	11.3	11.4	63.5	12.8	-4.35		0	-24.64	2nd Reading;Fair;No Repair Needed
W46R2	1/22/15 8:39	8.4	12.9	14.5	64.2	39.9	-4.12	-4.11	0	-25.55	Fair;No Repair Needed;Slightly Closed
W46R2	1/22/15 8:40	11.6	8.2	13.1	67.1	36.4	-4.57		0	-26.07	2nd Reading;Fair;No Repair Needed
W46R2	2/3/15 8:57	7.4	19.1	15.6	57.9	28.3	-6.51	-6.51	0	-25.94	Fair;No Repair Needed;Slightly Closed
W46R2	2/3/15 8:58	8.7	9.6	14.4	67.3	26.6	-6.86		0	-26.59	2nd Reading;Fair;No Repair Needed
W46R2	2/17/15 10:28	14.4	16.4	8.2	61	30.9	-5.82	-5.52	0	-15.32	Fair;No Repair Needed;Slightly Closed
W46R2	2/17/15 10:29	15.3	14.1	8.3	62.3	34.4	-5.48		5	-14.76	2nd Reading;Fair;No Repair Needed
W46R2	3/3/15 9:10	14.6	16.3	7.7	61.4	36	-0.42	-0.44	0	-18.26	Fair;No Repair Needed;Slightly Closed
W46R2	3/3/15 9:11	14.8	13.5	8.1	63.6	33.6	-0.87		2.92	-18.26	2nd Reading;Fair;No Repair Needed
W46R2	3/18/15 8:46	13.2	17.6	9.7	59.5	33.4	-0.03	-0.03	0	-18.04	Fair;No Change;No Repair Needed
W46R2	3/18/15 8:47	11.3	11.4	11.7	65.6	33.3	-0.03		0	-17.57	2nd Reading;Fair;No Repair Needed
W46R2	4/2/15 8:49	11.6	11.3	10.3	66.8	64.1	-0.52	-0.51	0	-23.22	Fair;No Change;No Repair Needed
W46R2	4/2/15 8:50	11.3	10.2	10.5	68	63.3	-0.85		0	-22.87	2nd Reading;Fair;No Repair Needed
W46R2	4/14/15 10:23	4.5	6.5	17.1	71.9	57.5	-0.46	-0.51	2.85	-16.23	Fair;No Change;No Repair Needed
W46R2	4/14/15 10:24	4.7	4.2	16.9	74.2	57.4	-0.86		6.38	-17.52	2nd Reading;Fair;No Repair Needed
W46R2	5/5/15 9:14	11.1	15	9.3	64.6	77.1	-0.34	-0.34	4.85	-27.06	Fair;No Change;No Repair Needed;valve barely cracked
W46R2	5/5/15 9:14	10.5	11.9	9.6	68	76.4	-0.74		6.27	-25.98	2nd Reading;Fair;No Repair Needed
W46R3	5/20/15 11:09	60.6	37.8	0	1.6	92.4	0.15	-0.08	9.98	-26.97	Good;No Repair Needed;Slightly Open
W46R3	5/20/15 11:10	60.2	39.1	0	0.7	95.4	-0.09		24.67	-27.92	2nd Reading;Good;No Repair Needed
W46R3	6/1/15 10:34	53.4	34.1	2.3	10.2	91.8	-0.11		24.75	-26.41	238;Good;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W46R3	6/16/15 10:34	53	35	2	10	96.7	-0.13		16.53	-22.53	961;Good;No Change;No Repair Needed
W46R3	7/2/15 10:25	51.3	33.8	3	11.9	94.4	-0.24		8.73	-26.28	2664;Good;No Change;No Repair Needed
W46R3	7/27/15 11:06	51.7	35	2.2	11.1	96.4	-0.14		12.92	-21.06	3133;force main restricted;Good;No Change;No Repair Needed
W46R3	8/5/15 10:53	46	30	3.8	20.2	96.9	-0.42	-0.36	33.26	-31.25	3133;Good;No Repair Needed;Slightly Closed
W46R3	8/5/15 10:54	53	34.5	1.8	10.7	97.3	-0.25		24.77	-31.16	2nd Reading;Good;No Repair Needed
W46R3	8/20/15 10:46	57.7	36.9	0.5	4.9	100	-0.16	-0.46	0	-31.64	3133;Good;No Repair Needed;Slightly Open
W46R3	8/20/15 10:47	56.7	38.6	0.9	3.8	100.8	-0.36		14.77	-31.03	2nd Reading;Good;No Repair Needed
W46R3	9/4/15 8:22	39.5	28.3	6.3	25.9	100.9	-0.58	-0.1	30.24	-27.32	3133;Fair;No Repair Needed;Slightly Closed
W46R3	9/4/15 8:24	42.6	30	4.9	22.5	100.6	-0.11		40.58	-26.59	2nd Reading;Good;No Repair Needed
W46R3	9/17/15 10:28	57.3	38.4	0.6	3.7	100.8	-0.06	-0.15	25.07	-31.33	3135;Good;No Repair Needed;Slightly Open
W46R3	9/17/15 10:29	56.6	39	0.9	3.5	100.9	-0.15		29.85	-32.54	2nd Reading;Good;No Repair Needed
W46R3	10/1/15 9:40	50.3	35.6	3	11.1	95.7	-0.15		26.54	-31.38	3135;Good;needs air;No Change;No Repair Needed
W46R3	10/16/15 8:35	57.9	39.3	0.4	2.4	97	-0.07	-0.12	0	-26.85	Valve Comment:"3256";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W46R3	10/16/15 8:36	51.1	37	2.9	9	96.6	-0.16		40.47	-26.8	Valve Adjustment:"Slightly Open,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W46R3	11/3/15 8:15	52.1	36.2	2.6	9.1	95.5	-0.07		34.4	-26.41	Valve Comment:"3443";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W46R3	11/18/15 9:08	59	38.4	0	2.6	97.5	-0.15	-0.2	27.79	-27.67	Valve Comment:"3600";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W46R3	11/18/15 9:09	58.5	39.4	0	2.1	98.2	-0.2		27.79	-27.06	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W46R3	12/4/15 8:36	58.9	38.7	0	2.4	91.6	-0.15	-0.32	20.18	-27.45	Valve Comment:"3626";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W46R3	12/4/15 8:37	59.1	38.9	0	2	92.8	-0.34		27.47	-26.85	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W46R3	12/16/15 8:23	50.3	34.7	2.1	12.9	94.1	-0.33		23.11	-26.8	Valve Comment:"3635";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W47R2	5/20/15 10:25	62.5	35.9	0	1.6	76.5	4.56	-0.19	8.98	-27.19	Good;No Repair Needed;Slightly Open
W47R2	5/20/15 10:26	61.7	37.7	0	0.6	106.5	-0.37		23.48	-25.9	2nd Reading;Good;No Repair Needed
W47R2	6/1/15 10:29	61.7	37.5	0	0.8	109.2	-0.3	-0.96	15.4	-25.94	218;Good;No Repair Needed;Slightly Open
W47R2	6/1/15 10:29	61.7	38.3	0	0	109.9	-1.35		19.95	-26.54	2nd Reading;Good;No Repair Needed
W47R2	6/16/15 10:28	58.4	39.6	0	2	117.2	0.64	-0.4	19.73	-21.41	168601;Good;No Repair Needed;Slightly Open
W47R2	6/16/15 10:29	59.1	40.7	0	0.2	117.5	-0.63		29.59	-22.44	2nd Reading;Good;No Repair Needed
W47R2	7/2/15 9:11	58.8	39.1	0	2.1	116.5	-0.27	-2.36	23.28	-18.73	361133;Good;No Repair Needed;Slightly Open
W47R2	7/2/15 9:12	59.3	40.4	0	0.3	116.9	-2.73		26.07	-17.35	2nd Reading;Good;No Repair Needed
W47R2	7/27/15 11:01	48.2	34.2	1.9	15.7	114	-4.3		37.11	-21.54	371653;Good;No Change;Pump Maintenance Required
W47R2	8/5/15 10:45	40.9	31.1	3.3	24.7	116.3	-6.21	-2.67	12.51	-31.03	371653;Good;No Repair Needed;Slightly Closed
W47R2	8/5/15 10:46	41.6	29.7	3.1	25.6	116	-2.11		21.05	-29.78	2nd Reading;Good;No Repair Needed
W47R2	8/20/15 10:41	59.3	38.9	0	1.8	118.8	0.23	-0.44	36.38	-20.67	462700;Good;No Repair Needed;Slightly Open
W47R2	8/20/15 10:41	59.3	40.4	0	0.3	119.4	-0.64		35.57	-21.62	2nd Reading;Good;No Repair Needed
W47R2	9/4/15 8:41	52.2	36.1	1.2	10.5	122	-1.57		14.52	-30.21	532581;Good;No Change;No Repair Needed
W47R2	9/17/15 10:42	53.4	36	0.9	9.7	122.5	-1.31		21.15	-30.82	565289;Good;No Change;No Repair Needed
W47R2	10/1/15 10:59	51.5	35.2	1.7	11.6	118.4	-1.88		29.15	-31.16	578566;Good;No Change;No Repair Needed
W47R2	10/16/15 9:55	53.7	37	0.8	8.5	121.1	-0.81		38.48	-26.67	Valve Comment:"594033";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W47R2	11/3/15 9:13	53.8	36	0.9	9.3	122	-0.75		34.47	-24.73	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W47R2	11/18/15 9:53	54.1	36.6	0.6	8.7	122	-0.49	-0.96	49.99	-26.28	Valve Comment:"675948";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W47R2	11/18/15 9:54	54.5	37.3	0.7	7.5	122.2	-1.03		46.87	-27.36	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W47R2	12/4/15 9:26	50.8	33.6	2	13.6	118	-1.49		31.81	-30.95	Valve Comment:"700747";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W47R2	12/16/15 9:13	50.8	35.8	1.6	11.8	119.3	-1.1		26	-26.59	Valve Comment:"709316";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV49R2	10/1/15 11:05	58	40.6	0.1	1.3	59.5	14.88	-0.15	0	-30.34	Good;No Repair Needed;Slightly Open
GRNV49R2	10/1/15 11:07	58.2	41	0.1	0.7	101.1	-1.68		19.07	-31.68	2nd Reading;Good;No Repair Needed
GRNV49R2	10/16/15 9:59	60.1	39.8	0	0.1	109.8	-11.52	-11.69	0	-25.77	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV49R2	10/16/15 10:00	60.3	39.7	0	0	111	-12.47		33.31	-26.11	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV49R2	11/3/15 9:18	55.2	36.3	1.6	6.9	111.7	-13.85		13.33	-25.72	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV49R2	11/18/15 9:57	59.6	37.8	0	2.6	110.1	-13.29	-13.89	12.92	-25.94	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV49R2	11/18/15 9:57	60	38.2	0	1.8	111.4	-14.8		18.42	-26.03	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV49R2	12/4/15 9:29	60.2	36.5	0.1	3.2	108.7	-18.29	-18.72	14.73	-26.24	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV49R2	12/4/15 9:29	60.6	37.5	0.1	1.8	110.5	-19.67		18.19	-25.77	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV49R2	12/16/15 9:16	59.8	37.7	0.1	2.4	111.6	-20.32	-22.13	25.38	-26.11	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV49R2	12/16/15 9:17	60	38.1	0	1.9	113.2	-23.43		15.54	-26.2	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W50R3	12/5/14 8:09	54.7	38.2	0	7.1	103.3	-4.99		16.46	-16.18	Good;No Change;No Repair Needed
W50R3	12/18/14 8:13	56.4	38.7	0.1	4.8	103.9	-8.58		17.78	-20.72	Good;No Change;No Repair Needed
W50R3	1/8/15 8:37	50.5	32.4	0.6	16.5	97.1	-11.65		32.88	-23.39	Good;No Change;No Repair Needed
W50R3	1/22/15 8:04	52.6	32	0.3	15.1	106.3	-13.24		16.51	-25.9	Good;No Change;No Repair Needed
W50R3	2/3/15 8:17	56.4	35.8	0.1	7.7	102.1	-13.72	-14.88	14.99	-27.1	Good;No Repair Needed;Slightly Open
W50R3	2/3/15 8:18	56.3	38	0	5.7	104.4	-16.48		19.83	-26.89	2nd Reading;Good;No Repair Needed
W50R3	3/3/15 8:32	57	39.8	0	3.2	105.6	-12.64	-13.33	14.75	-18	Good;No Repair Needed;Slightly Open
W50R3	3/3/15 8:33	57.5	38.7	0	3.8	107.2	-13.89		15.6	-18.17	2nd Reading;Good;No Repair Needed
W50R3	3/18/15 8:02	58	39	0.2	2.8	104.8	-16.18	-17.13	15.77	-19.29	Good;No Repair Needed;Slightly Open
W50R3	3/18/15 8:03	58	39.2	0.2	2.6	105.6	-17.21		13.09	-18.99	2nd Reading;Good;No Repair Needed
W50R3	4/2/15 8:13	46.7	32.9	1.6	18.8	109.4	-21.05	-18.51	13.92	-23.48	Good;No Repair Needed;Slightly Closed
W50R3	4/2/15 8:14	46.5	33.2	1.5	18.8	108.8	-17.86		0	-24.56	2nd Reading;Good;No Repair Needed
W50R3	4/17/15 10:27	57.3	35.8	0.2	6.7	109.3	-15.44		13.11	-20.33	Good;No Change;No Repair Needed
W50R3	5/5/15 8:40	55.7	34.4	0.2	9.7	110.4	-21.14		11.83	-27.36	Good;No Change;No Repair Needed
W50R3	5/20/15 9:54	52.3	38.4	0.1	9.2	110.4	-20.97		14.84	-26.33	Good;No Change;No Repair Needed
W50R3	6/1/15 9:56	50.7	37.6	0.1	11.6	108.8	-16.44		10.79	-20.89	Good;No Change;No Repair Needed
W50R3	6/16/15 9:54	52.4	36.1	0	11.5	112.8	-17.9		12.73	-22.01	Good;No Change;No Repair Needed
W50R3	7/2/15 8:38	52.2	36.7	0	11.1	112.1	-20.75		15.7	-26.59	Good;No Change;No Repair Needed
W50R3	7/27/15 10:31	52.1	36.6	0	11.3	114	-15.7		13.05	-19.38	Good;No Change;No Repair Needed
W50R3	8/5/15 10:09	45	32.8	0.1	22.1	116.5	-24.85	-23.21	12.46	-30.47	Good;No Repair Needed;Slightly Closed
W50R3	8/5/15 10:10	44.7	34.7	0.1	20.5	116.8	-21.79		10.57	-31.72	2nd Reading;Good;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W50R3	8/20/15 10:11	50.8	33.8	0.1	15.3	112.2	-15.36		13.84	-21.84	Good;No Change;No Repair Needed
W50R3	9/4/15 8:46	45.8	35.7	0.2	18.3	119.3	-21.01	-18.94	15.39	-31.55	Good;No Repair Needed;Slightly Closed
W50R3	9/4/15 8:47	46	35.7	0.1	18.2	118.9	-17.21		10.45	-30.21	2nd Reading;Good;No Repair Needed
W50R3	9/17/15 10:52	49.1	34.9	0.2	15.8	118.8	-16.48		13.12	-30.51	Good;No Change;No Repair Needed
W50R3	10/1/15 11:09	50.1	38.8	0.1	11	113	-16.7		14.25	-30.43	Good;No Change;No Repair Needed
W50R3	10/16/15 10:04	49.4	38.2	0	12.4	115	-15.23		7.42	-26.5	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W50R3	11/3/15 9:22	52.1	36	0	11.9	116.6	-14.8		7.64	-24.69	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W50R3	11/18/15 10:20	48.9	35.1	0	16	114.1	-15.14		11.57	-26.67	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W50R3	12/4/15 9:35	51.5	35.9	0	12.6	112.6	-18.08		11.49	-30.64	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W50R3	12/16/15 9:21	48.8	34.4	0	16.8	115.5	-17.21		10.45	-27.15	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV52R2	10/1/15 11:48	65.2	33.4	0	1.4	60.3	1.18	-0.08	9.24	-30.43	Good;No Repair Needed;Slightly Open
GRNV52R2	10/1/15 11:49	65.3	34.7	0	0	109.9	-0.27		17.47	-29.87	2nd Reading;Good;No Repair Needed
GRNV52R2	10/16/15 10:38	63.5	35.3	0	1.2	114.4	-0.41	-0.5	10.09	-30.38	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV52R2	10/16/15 10:39	62	37.2	0	0.8	116.2	-0.63		12.68	-30.64	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV52R2	11/3/15 10:03	60.7	33.4	0	5.9	109.9	-0.53	-0.88	17.8	-31.29	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV52R2	11/3/15 10:03	61.5	36.3	0	2.2	114.4	-1.39		19.35	-30.56	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV52R2	11/18/15 10:23	62.2	36.1	0	1.7	103.8	0	-0.8	12.36	-33.06	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV52R2	11/18/15 10:23	62.6	36.6	0	0.8	115.2	-1.96		25.12	-31.64	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV52R2	12/4/15 9:32	55.9	33.2	0.3	10.6	87.6	-4.44	-5.87	9.12	-30.99	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV52R2	12/4/15 9:33	56.4	33.1	0.2	10.3	95	-7.89		20.41	-30.38	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV52R2	12/16/15 9:19	51.7	35.2	0.2	12.9	112.5	-5.13		12.21	-30.47	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W63R2	5/20/15 9:17	59.9	36.1	0.9	3.1	75.5	-0.28	-0.55	12.56	-26.63	Good;No Repair Needed;Slightly Open
W63R2	5/20/15 9:18	59.4	35.5	1.1	4	75.9	-0.23		21.38	-26.28	2nd Reading;Good;No Repair Needed
W63R2	6/1/15 9:19	60.5	36.7	0.8	2	77.6	-25.5	-21.66	3.72	-26.67	Good;No Repair Needed;Slightly Closed
W63R2	6/1/15 9:20	61.1	36.3	0.5	2.1	76.9	-17.52		9.68	-26.63	2nd Reading;Good;No Repair Needed
W63R2	6/16/15 9:17	61.3	38.6	0	0.1	95.4	1.17	-0.45	13.27	-21.92	Good;No Repair Needed;Slightly Open
W63R2	6/16/15 9:18	61.5	38.5	0	0	95.4	-0.65		12.01	-22.18	2nd Reading;Good;No Repair Needed
W63R2	7/2/15 7:59	61.1	38.9	0	0	91.2	0.85	-1.02	11.77	-19.55	Good;No Repair Needed;Slightly Open
W63R2	7/2/15 8:00	61.3	38.7	0	0	90.9	-1.72		14.6	-19.64	2nd Reading;Good;No Repair Needed
W63R2	7/27/15 9:35	61.2	38.5	0	0.3	95	-4.12	-4.28	13.55	-19.29	Good;No Repair Needed;Slightly Open
W63R2	7/27/15 9:36	61.6	38.4	0	0	94.8	-6.82		14.62	-19.38	2nd Reading;Good;No Repair Needed
W63R2	8/5/15 9:33	59.6	38.6	0.1	1.7	98.9	-17.6	-18.94	10.85	-30.69	Good;No Repair Needed;Slightly Open
W63R2	8/5/15 9:34	60.3	38.5	0.1	1.1	98.9	-22.86		15.36	-29.78	2nd Reading;Good;No Repair Needed
W63R2	8/20/15 9:37	59.8	38	0.3	1.9	96	-23.38	-24.42	10.72	-30.38	Good;No Repair Needed;Slightly Open
W63R2	8/20/15 9:38	60.3	38.3	0.2	1.2	96.1	-23.47		16.64	-25.21	2nd Reading;Good;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W63R2	9/4/15 7:47	57.8	39.1	0	3.1	99.3	-27.96		18.21	-31.16	Good;No Change;No Repair Needed
W63R2	9/17/15 9:52	60.8	39.2	0	0	94.5	-27.91		11.2	-30.47	Good;No Change;No Repair Needed
W63R2	10/1/15 10:01	61.2	38.5	0.1	0.2	81.1	-29.34		14.82	-31.07	Good;No Change;No Repair Needed
W63R2	10/16/15 8:54	58.2	38.7	0.4	2.7	84.2	-23.12		14.81	-25.46	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W63R2	11/3/15 11:50	59.3	34.1	0.8	5.8	77.9	-29.64		12.5	-31.33	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W63R2	11/18/15 9:19	60.7	37.1	0.4	1.8	66.6	-29.68		11.14	-32.2	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W63R2	12/4/15 8:49	60.8	37	0.2	2	56.7	-25.88		5.11	-27.02	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W63R2	12/16/15 8:36	58.5	39.6	0.2	1.7	57.4	-25.5		6.69	-25.77	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W64R2	12/5/14 7:41	57.3	37.2	0.3	5.2	113.8	-16.48		36.56	-16.79	547258;Good;No Change;Pump Maintenance Required
W64R2	12/18/14 7:49	57.5	41.4	0	1.1	113.3	-19.28		43.6	-19.68	816335;Good;No Change;No Repair Needed
W64R2	1/8/15 8:01	56	38.9	0.4	4.7	105.8	-23.12		9.3	-23.22	972766;Good;No Change;Pump Maintenance Required
W64R2	1/22/15 7:42	59.4	38.9	0.4	1.3	112.8	-28.9		34.06	-29	13323;Fair;No Change;Pump Maintenance Required
W64R2	2/3/15 7:50	57.4	40.8	0.1	1.7	110.2	-27.52		29.83	-27.62	65622;Good;No Change;Pump Maintenance Required
W64R2	3/3/15 8:04	57.8	34.5	0.8	6.9	110.9	-18.55		29.96	-18.99	300307;Good;No Change;No Repair Needed
W64R2	3/18/15 7:34	58.9	38.7	0.3	2.1	109.8	-17.52		14.52	-17.52	300801;Fair;No Change;Pump Maintenance Required
W64R2	4/2/15 7:43	54.7	33.2	1.9	10.2	112.1	-21.66		15.23	-21.84	300866;Good;No Change;No Repair Needed
W64R2	4/17/15 9:40	58.9	37.6	0.5	3	120.7	-21.4		21.08	-22.31	313659;Good;No Change;No Repair Needed
W64R2	5/5/15 8:03	59.1	37	0.6	3.3	121.5	-26.23		21.26	-26.93	348333;Good;No Change;No Repair Needed
W64R2	5/20/15 9:15	60.1	38	0.2	1.7	116.3	-25.84		27.68	-26.11	366641;Good;No Change;No Repair Needed
W64R2	6/1/15 9:17	56.9	32.6	0.5	10	112.8	-26.49		15.45	-26.67	367121;Good;No Change;No Repair Needed
W64R2	6/16/15 9:14	57.2	37.7	0.4	4.7	122.1	-21.92		16.53	-21.88	398934;Good;No Change;No Repair Needed
W64R2	7/2/15 7:57	57.6	39.9	0.6	1.9	120.4	-18.9		16.48	-18.99	425707;Good;No Change;No Repair Needed
W64R2	7/27/15 9:33	58.2	39.4	0.5	1.9	121.2	-19.24		17.62	-19.85	472746;Good;No Change;No Repair Needed
W64R2	8/5/15 9:31	57.1	39	0.4	3.5	122.4	-29.68		16.19	-30.73	486374;Good;No Change;No Repair Needed
W64R2	8/20/15 9:35	56.8	36.4	0.8	6	122.6	-29.64		17.31	-30.13	Good;No Change;No Repair Needed
W64R2	9/4/15 7:46	58.6	38.8	0.4	2.2	124.5	-29.98		35.52	-30.17	526754;Good;No Change;No Repair Needed
W64R2	9/17/15 9:50	57.7	40.4	0.2	1.7	127.9	-29.98		17.29	-30.73	542945;Good;No Change;No Repair Needed
W64R2	10/1/15 9:58	57.3	38.9	0.5	3.3	121.6	-30.37		36.4	-30.73	554814;Fair;No Change;Pump Maintenance Required
W64R2	10/16/15 8:49	60	40	0	0	125.8	-25.54		17.28	-25.81	Valve Comment:"574606";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W64R2	11/3/15 8:24	59.5	39.4	0	1.1	120.9	-24.46		46.21	-26.07	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W64R2	11/3/15 8:26	57.7	37.1	0.9	4.3	70.7	-25.15		7.93	-26.07	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W64R2	11/18/15 9:16	58.5	39.4	0	2.1	121.6	-24.12		34.14	-26.28	Valve Comment:"583985";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"Pump Maintenance Required"
W64R2	12/4/15 8:47	57.5	35.5	0.3	6.7	115.3	-25.19		14.47	-26.11	Valve Comment:"583985";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W64R2	12/16/15 8:33	58.6	39.9	0	1.5	120.9	-27.61		25.06	-28.87	Valve Comment:"583985";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W65R2	12/5/14 7:37	9.6	13.5	17.3	59.6	42.8	-16.05	-15.57	0	-15.93	Fair;No Repair Needed;Slightly Closed
W65R2	12/5/14 7:38	4.7	6.5	19.1	69.7	41.7	-14.75		4.85	-16.23	2nd Reading;Fair;No Repair Needed
W65R2	12/18/14 7:47	57.9	39.3	0	2.8	29.2	-0.34		7.46	-19.77	Good;No Change;No Repair Needed
W65R2	1/8/15 7:59	59.5	38.3	0	2.2	2.7	11.13	-3.66	13.17	-23.22	Good;No Repair Needed;Slightly Open

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W65R2	1/8/15 7:59	59.4	39.4	0	1.2	2.7	-10.31		18.63	-23.82	2nd Reading;Good;No Repair Needed
W65R2	1/22/15 7:38	9.5	11.6	17.6	61.3	34	-26.49	-25.84	6.12	-29.09	Fair;No Repair Needed;Slightly Closed
W65R2	1/22/15 7:39	13.9	9.8	16.4	59.9	32.2	-24.07		4.78	-29.35	2nd Reading;Fair;No Repair Needed
W65R2	2/3/15 7:46	60.5	38.6	0	0.9	24.1	3.29	-0.13	0	-27.67	Fair;No Repair Needed;Slightly Open
W65R2	2/3/15 7:48	59.2	40.8	0	0	22.8	-7.16		0	-26.93	2nd Reading;Fair;No Repair Needed
W65R2	3/3/15 8:00	39.8	25	6.9	28.3	32.4	-0.94	-0.87	10.54	-19.21	Fair;No Repair Needed;Slightly Closed
W65R2	3/3/15 8:01	43.8	28.8	4.8	22.6	30.5	-0.36		10.16	-18.99	2nd Reading;Good;No Repair Needed
W65R2	3/18/15 7:31	61.4	37.3	0	1.3	30.9	1.96	-0.99	4.17	-18.17	Good;No Repair Needed;Slightly Open
W65R2	3/18/15 7:32	60.7	38.7	0	0.6	30.9	-3.95		14.24	-17.26	2nd Reading;Fair;No Repair Needed
W65R2	4/2/15 7:39	18.9	13.8	14.6	52.7	56.1	-8.58	-8.24	0	-22.01	Fair;No Repair Needed;Slightly Closed
W65R2	4/2/15 7:40	26.4	17.8	11.3	44.5	55.2	-6.82		0	-22.18	2nd Reading;Fair;No Repair Needed
W65R2	4/2/15 10:46	46.8	29.3	4.4	19.5	68	-0.08		2.68	-23.26	Fair;No Change;No Repair Needed
W65R2	4/17/15 9:37	26.2	17.6	11.6	44.6	76.4	-3.14	-2.9	4.82	-22.4	Fair;No Repair Needed;Slightly Closed
W65R2	4/17/15 9:38	26.5	18.1	11.4	44	77.1	-2.28		4.83	-22.62	2nd Reading;Fair;No Repair Needed
W65R2	4/17/15 13:36	49.9	34	3.3	12.8	83.1	-2.11		0	-19.59	Good;No Change;No Repair Needed
W65R2	5/5/15 7:59	20.5	22.5	12.4	44.6	68.7	-24.55	-23.86	3.76	-27.62	Fair;No Repair Needed;Slightly Closed
W65R2	5/5/15 8:00	25.2	18.6	12.4	43.8	67.8	-21.35		2.68	-27.49	2nd Reading;Fair;No Repair Needed
W65R2	5/20/15 9:12	18.5	22.8	7.1	51.6	68.5	-0.5	-0.45	2.82	-26.54	Fair;No Repair Needed;Slightly Closed
W65R2	5/20/15 9:12	18.3	22.3	7.2	52.2	69.6	-0.89		0	-26.59	2nd Reading;Fair;No Repair Needed
W65R2	6/1/15 9:14	11.3	21.9	6.6	60.2	62.7	-0.71	-0.68	0	-26.63	Fair;No Repair Needed;Slightly Closed
W65R2	6/1/15 9:15	10.3	20.2	7.8	61.7	61.1	-1.55		2.84	-26.46	2nd Reading;Fair;No Repair Needed
W65R2	6/16/15 9:11	8.3	21.3	7.7	62.7	84.9	-0.87	-0.87	3.93	-22.1	Fair;No Change;No Repair Needed;valve barely cracked
W65R2	6/16/15 9:12	7.4	19.5	8.7	64.4	85.1	-1.29		6.8	-21.75	2nd Reading;Fair;No Repair Needed
W65R2	7/2/15 7:54	6.1	22.5	6.5	64.9	72.7	-0.85	-0.84	5.62	-20.16	Fair;No Repair Needed;Slightly Closed
W65R2	7/2/15 7:55	5.4	21.3	7.3	66	71.2	-1.44		4.87	-19.68	2nd Reading;Fair;No Repair Needed
W65R2	7/15/15 9:34	2.3	8.1	14.3	75.3	75.2	-1.13	-1.13	3.6	-26.63	Fair;No Repair Needed;pinched;Slightly Closed
W65R2	7/15/15 9:35	2.1	8	14.4	75.5	74.6	-1.67		6.66	-26.67	2nd Reading;Fair;No Repair Needed;pinched
W65R2	7/27/15 9:29	4.5	21	6.8	67.7	80.5	-0.56	-0.55	6.24	-19.38	Fair;No Repair Needed;pinched;Slightly Closed
W65R2	7/27/15 9:30	4	20.8	7	68.2	79.7	-1.03		8.83	-18.99	2nd Reading;Fair;No Repair Needed;pinched
W65R2	8/5/15 9:28	4.1	21.2	7.5	67.2	89.3	-0.29	-0.29	0	-30.04	Fair;No Change;No Repair Needed;valve barely cracked
W65R2	8/5/15 9:29	3.3	20.7	7.6	68.4	91.5	-0.74		0	-30.73	2nd Reading;Fair;No Repair Needed
W65R2	8/20/15 9:32	1.7	10.8	14.1	73.4	78.4	-1.24	-1.23	3.95	-30.86	Fair;No Change;No Repair Needed;valve barely cracked
W65R2	8/20/15 9:33	1.4	9.9	14.2	74.5	78.2	-1.6		4.84	-30.38	2nd Reading;Fair;No Repair Needed
W65R2	9/4/15 7:42	1.9	12.3	13.1	72.7	73.4	-0.86	-0.84	0	-30.51	Fair;No Repair Needed;Slightly Closed
W65R2	9/4/15 7:43	1.3	11.5	13	74.2	72	-1.29		4.11	-30.21	2nd Reading;Fair;No Repair Needed
W65R2	9/17/15 9:47	57.1	38.9	0	4	88.3	-2.22		6.48	-30.99	Good;No Change;No Repair Needed
GRNV65R3	10/1/15 9:52	59.5	39.8	0	0.7	59.2	0.49	-0.03	4.13	-30.43	Good;No Repair Needed;Slightly Open
GRNV65R3	10/1/15 9:54	59.3	39.8	0	0.9	89.4	-0.04		8.34	-30.47	2nd Reading;Good;No Repair Needed
GRNV65R3	10/16/15 8:45	59.8	40.1	0	0.1	100	0.14	-0.05	24.74	-30.13	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV65R3	10/16/15 8:46	60	40	0	0	102.6	-0.16		19.76	-29.91	Valve Adjustment:"Slightly Open,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV65R3	11/3/15 8:20	59.7	39.2	0	1.1	100	0.04	-0.18	21.89	-31.46	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV65R3	11/3/15 8:21	59.8	39.5	0	0.7	101.7	-0.33		29.75	-28.87	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV65R3	11/18/15 9:14	59	38.9	0	2.1	100	-0.07	-0.37	22.94	-32.84	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
GRNV65R3	11/18/15 9:14	59.3	39.5	0	1.2	103.1	-0.49		20.58	-29.35	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV65R3	12/4/15 8:42	43.6	29.8	6.7	19.9	93.7	-0.41	-0.12	17.71	-26.5	Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"No Repair Needed"
GRNV65R3	12/4/15 8:44	43.4	28.7	5.8	22.1	92.8	-0.04		0	-26.93	Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair Needed"
GRNV65R3	12/16/15 8:29	59.8	39.2	0	1	93.9	-0.01	-0.17	23.49	-26.28	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNV65R3	12/16/15 8:30	59.6	39.8	0	0.6	96.4	-0.37		20.59	-26.8	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W08R	12/5/14 10:01	57.3	35.2	0	7.5	87.8	-1.64		8.75	-15.54	70262;Good;No Change;No Repair Needed
W08R	12/18/14 9:56	56.7	37.1	0	6.2	87	-2.26		6.18	-16.92	70471;Good;No Change;No Repair Needed
W08R	1/22/15 10:11	56.9	36.5	0	6.6	89.7	-5.78	-5.87	7.23	-16.53	71211;Good;No Repair Needed;Slightly Open
W08R	1/22/15 10:12	56.5	38.5	0	5	91.7	-6.13		13.08	-17.26	2nd Reading;Good;No Repair Needed
W08R	2/3/15 10:25	52.9	37.2	0	9.9	94.3	-7.85		7.66	-20.76	71737;Good;No Change;No Repair Needed
W08R	3/3/15 10:33	58.3	35.4	0	6.3	94.6	-1.8	-1.91	14.8	-14.29	72451;Good;No Repair Needed;Slightly Open
W08R	3/3/15 10:34	57.9	36.5	0	5.6	97	-1.94		24.06	-14.07	2nd Reading;Good;No Repair Needed
W08R	3/18/15 10:05	57.9	35	0	7.1	99.6	-4.85		10.52	-15.45	72947;Good;No Change;No Repair Needed
W08R	4/2/15 10:07	49.2	33.2	0.1	17.5	101.5	-3.99		16.53	-17.13	73702;Good;No Change;No Repair Needed
W08R	4/17/15 12:47	53.2	34.6	0	12.2	102.6	-5.78		12.68	-15.19	74385;Good;No Change;No Repair Needed
W08R	5/5/15 10:30	47	33	0	20	104.3	-6.17	-5.87	15.01	-19.98	75439;Good;No Repair Needed;Slightly Closed
W08R	5/5/15 10:30	46.4	33	0	20.6	103.4	-5.87		9.73	-20.72	2nd Reading;Good;No Repair Needed
W08R	5/20/15 12:58	40.1	31.4	0	28.5	100.4	-3.72	-3.62	8.61	-19.68	76129;Good;No Repair Needed;Slightly Closed
W08R	5/20/15 12:58	39.7	31.5	0	28.8	98.7	-3.49		2.73	-19.68	2nd Reading;Good;No Repair Needed
W08R	6/1/15 12:40	49.7	34	0	16.3	82.8	-2.69		7.33	-20.07	76528;Good;No Change;No Repair Needed
W08R	6/16/15 13:07	51.5	36.6	0	11.9	95.4	-1.46		2.75	-16.23	77001;Good;No Change;No Repair Needed
W08R	7/2/15 11:34	52.5	36.5	0	11	80.8	-2.06		5.56	-16.23	77443;Good;No Change;No Repair Needed
W08R	7/27/15 13:17	51.3	34.8	0.1	13.8	93.8	-1.16		8.26	-19.68	78284;Good;No Change;No Repair Needed
W08R	8/5/15 13:31	53	36.5	0.1	10.4	98	-3.33		7.22	-20.41	78628;Good;No Change;No Repair Needed
W08R	8/20/15 13:25	51.2	36	0.1	12.7	92.9	-2.41		6.15	-18.95	Good;No Change;No Repair Needed
W08R	9/4/15 10:29	51.8	36.3	0.4	11.5	91.4	-2.55		7.09	-19.25	79558;Good;No Change;No Repair Needed
W08R	9/17/15 13:14	49	35.2	0.2	15.6	96.6	-1.84		7.68	-21.67	79895;Good;No Change;No Repair Needed
W08R	10/1/15 14:16	50.1	36.3	0	13.6	67.3	-1.86		7.68	-17.57	80265;Good;No Change;No Repair Needed
W08R	10/16/15 13:08	48.8	36.2	0	15	77.2	-3.37		2.74	-21.71	Valve Comment:"80623";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W08R	11/3/15 11:10	50.9	35.1	0	14	89.8	-3.01		15.69	-20.03	Valve Comment:"81008";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W08R	11/18/15 12:38	50.6	37.1	0	12.3	74.5	-1.02		5.81	-20.72	Valve Comment:"81430";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W08R	12/4/15 12:58	50.6	35.3	0.1	14	77	-5.13		4.98	-23.65	Valve Comment:"81689";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W08R	12/16/15 10:56	50.7	35.8	0	13.5	71.2	-3.2		8.67	-19.64	Valve Comment:"81937";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W10R	12/5/14 11:37	56.3	34.7	0.5	8.5	118.6	-1.38		17.46	-15.84	608;Good;No Change;No Repair Needed
W10R	12/18/14 11:32	57.7	35.3	0.6	6.4	124.5	-1.19		0	-17.91	608;Good;No Change;No Repair Needed
W10R	1/22/15 12:07	46.2	32.4	1.1	20.3	115	-2.59	-2.37	16.82	-17.57	608;Good;No Repair Needed;Slightly Closed
W10R	1/22/15 12:08	45.8	33	1.4	19.8	110.6	-1.99		11.18	-16.92	2nd Reading;Good;No Repair Needed
W10R	2/3/15 12:23	43.8	28.9	1.5	25.8	104.7	-1.7	-1.62	0	-20.37	608;Good;No Repair Needed;Slightly Closed
W10R	2/3/15 12:24	43.1	31.1	1.5	24.3	101.7	-1.53		0	-19.59	2nd Reading;Good;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W10R	3/3/15 11:52	63.5	35.4	0	1.1	102.6	1.07	-0.03	0	-13.47	608;Good;No Repair Needed;Slightly Open
W10R	3/3/15 11:54	62.6	34.9	0	2.5	128.4	-0.2		14.54	-12.82	2nd Reading;Good;No Repair Needed
W10R	3/18/15 11:28	52.7	32	0.7	14.6	124.4	-2.61		19.64	-15.19	608;Good;No Change;No Repair Needed
W10R	4/2/15 11:40	42.2	27.5	0.7	29.6	118.4	-2.89	-2.15	13.15	-16.92	608;Good;No Repair Needed;Slightly Closed
W10R	4/2/15 11:41	41.9	31.7	0.9	25.5	113.8	-1.79		7.64	-17.61	2nd Reading;Good;No Repair Needed
W10R	4/17/15 13:05	38.6	30.6	0.7	30.1	111.9	-1.34	-1.01	10.49	-15.54	608;Good;No Repair Needed;Slightly Closed
W10R	4/17/15 13:06	36.3	29.1	1.9	32.7	107.9	-0.85		6.67	-16.23	2nd Reading;Good;No Repair Needed
W10R	5/5/15 13:01	43.6	30.6	1.3	24.5	95	-0.56	-0.51	6.16	-20.72	608;Good;No Repair Needed;Slightly Closed
W10R	5/5/15 13:02	43.6	29.7	1.5	25.2	95.1	-0.47		7.29	-21.36	2nd Reading;Good;No Repair Needed
W10R	5/20/15 13:24	53.1	32.4	2.2	12.3	80.9	-0.02		7.91	-20.67	612;Good;No Change;No Repair Needed
W10R	6/1/15 13:00	61.9	35.3	0	2.8	74.8	0.13	-0.01	8.89	-20.76	Good;No Repair Needed;Slightly Open
W10R	6/1/15 13:01	63.2	35.3	0.3	1.2	78.6	-0.04		8.4	-20.28	2nd Reading;612;Good;No Repair Needed
W10R	6/16/15 13:31	61.9	35.7	0	2.4	112.3	0.2	-0.12	4.71	-16.23	Good;No Repair Needed;Slightly Open
W10R	6/16/15 13:33	62.4	35.6	0	2	122.1	-0.09		8.52	-14.46	2nd Reading;Good;No Repair Needed
W10R	7/2/15 13:03	61.2	36.8	0	2	124	-0.43	-0.54	2.69	-19.64	Good;No Repair Needed;Slightly Open
W10R	7/2/15 13:04	61.7	36.4	0	1.9	127.2	-0.68		11.36	-20.63	2nd Reading;Good;No Repair Needed
W10R	7/27/15 13:39	48.7	35.3	0	16	126.3	-0.83		28.86	-12.13	Good;No Change;No Repair Needed
W10R	8/5/15 13:52	52.7	35.2	0	12.1	127.9	-1.82		28.25	-17.95	Good;No Change;No Repair Needed
W10R	8/20/15 13:45	49.5	35.4	0.6	14.5	118.4	-1.63		14.22	-24.08	Good;No Change;No Repair Needed
W10R	9/4/15 10:50	55.1	35.8	0.4	8.7	125.1	-1.64		34.34	-19.64	Good;No Change;No Repair Needed
W10R	9/17/15 13:35	57	36.9	0.2	5.9	125.2	-1.31	-1.47	31.42	-24.26	Good;No Repair Needed;Slightly Open
W10R	9/17/15 13:36	56.7	37.7	0.2	5.4	125.6	-1.56		16.16	-20.03	2nd Reading;Good;No Repair Needed
W10R	10/1/15 14:53	55.8	37.5	0	6.7	122.7	-1.82	-2.03	32.43	-15.11	Good;No Repair Needed;Slightly Open
W10R	10/16/15 13:53	55.3	36	0	8.7	126.9	-1.68		3.43	-22.36	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W10R	11/3/15 11:25	46.9	37.3	0	15.8	119.7	-1.81	-1.63	0	-19.68	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
W10R	11/3/15 11:26	47.1	38.1	0	14.8	118.8	-1.44		14.11	-20.07	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W10R	11/18/15 13:00	54.1	36.1	0	9.8	122.7	-0.7	-0.73	10.49	-20.46	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W10R	11/18/15 13:01	54.3	37	0	8.7	124.3	-0.76		13.64	-20.5	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W10R	12/4/15 13:23	51.8	35.3	0	12.9	124.9	-1.99		31.77	-23.91	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W10R	12/16/15 13:31	51.9	36.3	0	11.8	124.2	-1.39		14.23	-19.51	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W13R	12/5/14 9:24	56.9	35.5	0.2	7.4	110.3	-10.27		29.32	-15.49	151629;Good;No Change;No Repair Needed
W13R	12/18/14 9:21	57.1	34.1	0.2	8.6	109.2	-11.35		27.41	-16.4	153277;Good;No Change;No Repair Needed
W13R	1/22/15 9:31	58	37.4	0.3	4.3	107.7	-8.89	-9.58	15.79	-12.04	155525;Good;No Repair Needed;Slightly Open
W13R	1/22/15 9:31	57.8	37.4	0.2	4.6	108.6	-9.58		27.41	-11.74	2nd Reading;Good;No Repair Needed
W13R	2/3/15 9:48	61.8	37.1	0	1.1	30.1	1.85	1.86	0	1.73	156974;Fair;No Change;No Repair Needed
W13R	2/3/15 9:49	61.1	38.9	0	0	29.7	1.88		0	1.73	2nd Reading;Fair;No Repair Needed
W13R	2/17/15 10:51	61.1	38.5	0.4	0	32.1	1.76	1.74	0	1.68	157755;Fair;No Change;No Repair Needed;sump frozen
W13R	2/17/15 10:52	61.1	38.8	0.1	0	34	1.75		0	1.68	2nd Reading;Fair;No Repair Needed
W13R	3/3/15 9:49	57.3	35.2	0.2	7.3	107.9	-12.42		24.82	-14.93	158452;Good;No Change;No Repair Needed
W13R	3/18/15 9:29	60.4	35.4	0.8	3.4	106.5	-13.59		18.1	-15.28	160071;Good;No Change;No Repair Needed
W13R	4/2/15 9:36	55.1	31.6	0.9	12.4	109.1	-14.15		24.54	-16.57	161477;Good;No Change;No Repair Needed
W13R	5/5/15 9:52	3.7	1.9	19.9	74.5	88	-1.04	-1.11	3.92	-1.04	166005;Fair;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W13R	5/5/15 9:53	4.3	1.3	19.8	74.6	92.1	-1.1		6.76	-1.34	2nd Reading;Fair;No Repair Needed
W13R	5/20/15 12:18	63.2	35.5	0	1.3	77.5	1.49	1.49	4.87	1.38	167527;camera investigation;Fair;No Change;No Repair Needed
W13R	5/20/15 12:18	63	36.2	0	0.8	78.4	1.45		6.29	1.38	2nd Reading;Fair;No Repair Needed
W13R	6/1/15 12:03	58.3	35.6	0.6	5.5	106.8	-9.97	-10.35	13.84	-19.72	168103;Good;No Repair Needed;Slightly Open
W13R	6/1/15 12:04	58.5	36.1	0.6	4.8	107.8	-11		19.87	-21.54	2nd Reading;Good;No Repair Needed
W13R	6/16/15 12:26	54.8	35.7	0.4	9.1	110.6	-9.36	-9.71	30.09	-16.92	169786;Good;No Repair Needed;Slightly Open
W13R	6/16/15 12:27	55	36.1	0.3	8.6	110.9	-9.66		24.64	-15.88	2nd Reading;Good;No Repair Needed
W13R	7/2/15 10:51	59.6	36.8	0.2	3.4	109.7	-11.3	-11.95	20	-19.68	171942;Good;No Repair Needed;Slightly Open
W13R	7/2/15 10:52	60	37.6	0.1	2.3	110.5	-12.68		33.47	-20.2	2nd Reading;Good;No Repair Needed
W13R	7/27/15 12:35	57.7	35.8	0.3	6.2	110.6	-11.99	-12.47	8.76	-15.54	176485;Good;No Repair Needed;Slightly Open
W13R	7/27/15 12:37	59.1	37	0.4	3.5	110.9	-13.03		23.86	-15.19	2nd Reading;Good;No Repair Needed
W13R	8/5/15 12:53	57.4	36.5	0.5	5.6	111.1	-17.77		26.41	-22.01	178277;Good;No Change;No Repair Needed
W13R	8/20/15 12:41	49.7	33.6	0.3	16.4	111.3	-17.13		14.51	-24.13	183106;Good;No Change;No Repair Needed
W13R	9/4/15 9:46	49	34.6	0.5	15.9	112.3	-15.31		17.29	-20.28	186710;Good;No Change;No Repair Needed
W13R	9/17/15 12:31	53.3	36.6	0.5	9.6	112.8	-18.16		13.36	-24.9	189809;Good;No Change;No Repair Needed
W13R	10/1/15 13:17	52.5	34.7	0.2	12.6	110.5	-14.45		28.59	-18.13	192838;Good;No Change;No Repair Needed
W13R	10/1/15 14:55	54.8	37.8	0	7.4	123.6	-2.09		35.37	-19.59	2nd Reading;Good;No Repair Needed
W13R	10/16/15 12:22	54.3	36.2	0.3	9.2	111.2	-16.82		27.37	-22.05	Valve Comment:"196164";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"Needs Kanaflex"
W13R	11/3/15 10:43	54.2	34.7	0.3	10.8	111	-15.83	-16.05	27.51	-22.36	Valve Comment:"201864";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W13R	11/3/15 10:45	54	34.8	0.3	10.9	111.6	-16.39		31.7	-20.72	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W13R	11/18/15 10:53	50.7	32.6	0.3	16.4	110.3	-15.23		26.02	-22.79	Valve Comment:"205651";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W13R	12/4/15 12:21	56.2	34.8	0.5	8.5	109.8	-17	-17.34	13.68	-19.72	Valve Comment:"209170";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W13R	12/4/15 12:22	56.1	35.3	0.4	8.2	109.9	-17.69		25.4	-20.54	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W13R	12/16/15 10:15	56.1	36.1	0.4	7.4	109.4	-17		19.55	-17.91	Valve Comment:"211469";Valve Adjustment:"No Change";Well Comment:"surging ";Well Condition:"Good";Well Repairs:"No Repair Needed"
W18R	12/5/14 10:14	57.6	33.1	0	9.3	96	-6.51		20.84	-16.49	295;Good;No Change;No Repair Needed
W18R	12/18/14 10:08	57.3	36.3	0	6.4	95.5	-7.89		34.86	-17.35	295;Good;No Change;No Repair Needed
W18R	1/22/15 10:25	54.4	35.8	0	9.8	95	-9.92	-10.61	21.03	-23.44	Good;No Repair Needed;Slightly Open
W18R	1/22/15 10:26	54.1	37.4	0	8.5	95.6	-10.96		33.2	-23.87	295;2nd Reading;Good;No Repair Needed
W18R	2/3/15 10:44	42.3	33.6	0	24.1	93.8	-13.89	-11.99	33.65	-24.77	295;Good;No Repair Needed;Slightly Closed
W18R	2/3/15 10:45	41.8	34.6	0	23.6	91.3	-11		15.94	-24.9	2nd Reading;Good;No Repair Needed
W18R	3/3/15 10:49	55.8	33.9	0	10.3	86.3	-4.59	-5.44	17.61	-14.11	295;Good;No Repair Needed;Slightly Open
W18R	3/3/15 10:50	55.8	34.5	0	9.7	88.7	-5.74		22.23	-14.16	2nd Reading;Good;No Repair Needed
W18R	3/18/15 10:17	58.4	34.5	0	7.1	93.2	-8.93		12.68	-17.09	295;Good;No Change;No Repair Needed
W18R	4/2/15 10:20	50.4	33.3	0.2	16.1	94.8	-9.92		15.93	-20.89	Good;No Change;No Repair Needed
W18R	4/17/15 12:59	49	32.1	0	18.9	95.6	-9.58		19.61	-18.3	295;Good;No Change;No Repair Needed
W18R	5/5/15 12:52	50.4	33.5	0	16.1	97.9	-12.42		18.87	-23.48	295;Good;No Change;No Repair Needed
W18R	5/20/15 13:13	46.6	31.6	0.1	21.7	97.1	-11.35	-9.23	17.15	-24.51	295;Good;No Repair Needed;Slightly Closed
W18R	5/20/15 13:14	47.4	33	0.1	19.5	96.2	-7.89		6.05	-25.29	2nd Reading;Good;No Repair Needed
W18R	6/1/15 12:52	51.8	33.4	0.1	14.7	93.2	-6.86		14.89	-23.39	295;Good;No Change;No Repair Needed
W18R	6/16/15 13:22	54.2	34.5	0	11.3	96	-4.96		13.62	-17.22	297;Good;No Change;No Repair Needed
W18R	7/2/15 12:54	56.9	35.2	0	7.9	90.9	-5.48	-6.13	10.23	-16.57	297;Good;No Repair Needed;Slightly Open

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W18R	7/2/15 12:55	58.1	36.7	0	5.2	91.9	-6.47		10.19	-17.22	2nd Reading;Good;No Repair Needed
W18R	7/27/15 13:32	56.6	35.6	0.4	7.4	97.1	-7.12	-8.07	14.58	-17.65	304;Good;No Repair Needed;Slightly Open
W18R	7/27/15 13:32	57.8	36.7	0.5	5	97.7	-8.24		19.08	-17.31	2nd Reading;Good;No Repair Needed
W18R	8/5/15 13:46	50.7	36	0.3	13	98.4	-12.6		19.04	-25.9	304;Good;No Change;No Repair Needed
W18R	8/20/15 13:38	46.2	34	0.2	19.6	96.9	-9.58	-8.84	21.36	-19.68	304;Good;No Repair Needed;Slightly Closed
W18R	8/20/15 13:39	46.9	35	0.2	17.9	96.9	-8.5		11.76	-21.84	2nd Reading;Good;No Repair Needed
W18R	9/4/15 10:43	50.9	34.3	0.6	14.2	97.5	-8.93		13.37	-27.45	304;Good;No Change;No Repair Needed
W18R	9/17/15 13:27	53	36.2	0.4	10.4	96.8	-7.98		15.12	-26.41	304;Good;No Change;No Repair Needed
W18R	10/1/15 14:44	53.1	35.5	0.1	11.3	92.1	-7.55		17.4	-28.23	304;Good;No Change;No Repair Needed
W18R	10/16/15 13:45	51.9	35.6	0.1	12.4	91.6	-7.85		0	-25.21	Valve Comment:"304";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W18R	11/3/15 11:19	51.6	34.1	0.1	14.2	94.5	-8.28		12.25	-25.77	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W18R	11/18/15 12:52	49.1	34.3	1.2	15.4	91.9	-6.21		9.52	-23.82	Valve Comment:"320";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W18R	12/4/15 13:11	49.1	33.7	1.2	16	89.6	-9.23		17.33	-28.74	Valve Comment:"320";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W18R	12/16/15 12:39	49.3	34.3	0.9	15.5	91.2	-6.99		11.81	-28.79	Valve Comment:"320";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W26R	12/5/14 9:12	56.1	36.8	0	7.1	97.7	-7.16		13.79	-15.88	156954;Good;No Change;No Repair Needed
W26R	12/18/14 9:10	55.9	36.5	0	7.6	98.5	-10.31		25.58	-19.51	156954;Good;No Change;No Repair Needed
W26R	1/22/15 9:12	46.1	32.1	0.1	21.7	98.5	-14.75	-14.06	26.25	-24.73	156954;Good;No Repair Needed;Slightly Closed
W26R	1/22/15 9:13	44.9	34.2	0	20.9	97.7	-13.37		20.28	-24.47	2nd Reading;Good;No Repair Needed
W26R	2/3/15 9:30	46.7	31.8	0.1	21.4	95.3	-13.03	-12.34	20.86	-25.42	156954;Good;No Repair Needed;Slightly Closed
W26R	2/3/15 9:31	46.1	34	0	19.9	94.8	-11.65		17.99	-25.94	2nd Reading;Good;No Repair Needed
W26R	3/3/15 9:35	56.7	34.5	0	8.8	92.9	-5.78	-6.08	18.89	-17.48	156954;Good;No Repair Needed;Slightly Open
W26R	3/3/15 9:36	57.1	36.3	0	6.6	93.6	-6.43		19.42	-16.49	2nd Reading;Good;No Repair Needed
W26R	3/18/15 9:12	59.8	36.3	0.4	3.5	93.8	-9.58	-10.31	19.46	-17.65	156954;Good;No Repair Needed;Slightly Open
W26R	3/18/15 9:13	59.1	37	0.3	3.6	94.8	-10.91		18.81	-17.44	2nd Reading;Good;No Repair Needed
W26R	4/2/15 9:23	51.3	32.3	0.6	15.8	96.5	-13.29		16.44	-20.8	156954;Good;No Change;No Repair Needed
W26R	4/17/15 12:02	55.6	34.3	0	10.1	98.1	-13.68		19.55	-19.85	156954;Good;No Change;No Repair Needed
W26R	5/5/15 9:35	47.6	33.7	0	18.7	98.5	-16.87	-16.18	20.6	-25.33	156954;Good;No Repair Needed;Slightly Closed
W26R	5/5/15 9:37	47.7	33.9	0	18.4	98.3	-15.06		19.48	-25.68	2nd Reading;Good;No Repair Needed
W26R	5/20/15 12:05	48.4	33.2	0.2	18.2	98.7	-13.03		19.57	-25.25	156954;Good;No Change;No Repair Needed
W26R	6/1/15 11:50	46.6	32.8	0	20.6	98.1	-12.38	-12.04	14.37	-23.39	156954;Good;No Repair Needed;Slightly Closed
W26R	6/1/15 11:51	46.6	33.8	0	19.6	98.1	-11.52		17.54	-24.17	2nd Reading;Good
W26R	6/16/15 12:14	51.6	35.7	0	12.7	100.1	-8.63		16.14	-18.64	156954;Good;No Change;No Repair Needed
W26R	7/2/15 10:36	57.1	37	0	5.9	97.1	-7.89	-8.24	19.1	-17.57	156954;Good;No Repair Needed;Slightly Open
W26R	7/2/15 10:37	56.7	37.9	0	5.4	97.3	-8.54		19.26	-17.91	2nd Reading;Good;No Repair Needed
W26R	7/27/15 12:21	59	37.3	0	3.7	99	-10.31	-11.99	17.37	-17.87	156964;Good;No Repair Needed;Slightly Open
W26R	7/27/15 12:22	59.4	38.3	0	2.3	99.4	-12.68		20.97	-18.04	2nd Reading;Good;No Repair Needed
W26R	8/5/15 12:40	48	35.4	0	16.6	100	-20.19	-19.5	20.89	-28.49	156964;Good;No Repair Needed;Slightly Closed
W26R	8/5/15 12:40	47.7	36.6	0	15.7	100.1	-18.46		21.79	-28.05	2nd Reading;Good;No Repair Needed
W26R	8/20/15 12:30	49.6	34.7	0	15.7	99.2	-13.03		28.17	-25.16	156964;Good;No Change;No Repair Needed
W26R	9/4/15 9:32	44.3	33.4	0.2	22.1	99.5	-15.83	-14.62	22.41	-26.33	156964;Good;No Repair Needed;Slightly Closed
W26R	9/4/15 9:33	44.3	34	0.2	21.5	99.1	-13.81		15.68	-26.46	2nd Reading;Good;No Repair Needed
W26R	9/17/15 12:17	49.7	36.1	0	14.2	99.9	-11.6		27.31	-25.94	156964;Good;No Change;No Repair Needed
W26R	10/1/15 12:58	49.9	35	0	15.1	96.8	-12.73		25.88	-30.56	156999;Good;Needs New Regulator;No Change

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W26R	10/16/15 12:01	50.1	34.6	0	15.3	97.7	-11.99		21.71	-25.85	Valve Comment:"157303";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W26R	11/3/15 10:34	52	35.6	0	12.4	98.6	-11.26		25.41	-24.34	Valve Comment:"157303";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W26R	11/18/15 10:42	50.6	34.2	0	15.2	97.5	-11.26		25.03	-28.61	Valve Comment:"157441";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W26R	12/4/15 12:05	49.8	35.2	0.1	14.9	96.6	-12.47		17.19	-29.48	Valve Comment:"157441";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W26R	12/16/15 10:02	52.9	35.3	0	11.8	97.2	-11.22		25.51	-25.64	Valve Comment:"157441";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W32R	12/5/14 10:17	56.4	36.1	0.4	7.1	126.9	-14.75		24.54	-16.57	725049;Good;No Change;No Repair Needed
W32R	12/18/14 10:12	57.3	36.6	0.3	5.8	125.4	-16.74		20.62	-18.08	844703;Good;No Change;No Repair Needed
W32R	1/22/15 10:29	56.6	37.2	0.6	5.6	125.1	-20.71		25.77	-23.18	845294;Good;No Change;No Repair Needed
W32R	2/3/15 10:48	51.6	35.8	0.7	11.9	123.7	-22.78		26.16	-25.03	845294;Good;No Change;No Repair Needed
W32R	3/3/15 10:53	54.8	34.6	0.8	9.8	123.7	-12.64		21.19	-14.07	845294;Good;No Change;No Repair Needed
W32R	3/18/15 10:20	55.7	34.5	0.8	9	124.3	-15.62		25.08	-17.13	845294;Good;No Change;No Repair Needed
W32R	4/2/15 10:23	52.8	33.4	0.7	13.1	125.4	-19.2		24.3	-21.49	845294;Good;No Change;No Repair Needed
W32R	4/17/15 13:02	51.8	33.5	0.2	14.5	125.8	-17.52		22.27	-19.29	845294;Good;No Change;No Repair Needed
W32R	5/5/15 12:55	52.7	34.6	0.1	12.6	127.5	-22.09		33.09	-25.51	845294;Good;No Change;No Repair Needed
W32R	5/20/15 13:18	48.4	33.8	0.1	17.7	126.9	-22.35	-21.23	32.19	-25.64	Good;No Repair Needed;Slightly Closed
W32R	5/20/15 13:19	48.8	34.2	0.1	16.9	126.9	-18.9		21.57	-22.79	2nd Reading;Good;No Repair Needed
W32R	6/1/15 12:55	50.5	33.9	0.1	15.5	126	-17.21		22.28	-21.88	845294;Good;No Change;No Repair Needed
W32R	6/16/15 13:25	52.6	35.3	0	12.1	126.6	-13.81		22.61	-18	845294;Good;No Change;No Repair Needed
W32R	7/2/15 12:58	57.2	36.7	0	6.1	124.4	-12.68		23.16	-16.92	845294;Good;No Change;No Repair Needed
W32R	7/27/15 13:36	52.7	36.3	0.1	10.9	126.2	-12.68		22.38	-16.57	845294;Good;No Change;No Repair Needed
W32R	8/5/15 13:49	54.3	36.5	0.1	9.1	126.3	-19.67		18.96	-26.93	845294;Good;No Change;No Repair Needed
W32R	8/20/15 13:42	51.7	35.9	0.1	12.3	125.7	-16.82		26.65	-23	Good;No Change;No Repair Needed
W32R	9/4/15 10:47	53.6	35.9	0.4	10.1	128.7	-18.94		25.78	-27.06	845294;Good;No Change;No Repair Needed
W32R	9/17/15 13:31	55	36.5	0.2	8.3	128.5	-17.86	-18.51	23.98	-24.21	845294;Good;No Repair Needed;Slightly Open
W32R	9/17/15 13:32	54.9	37.2	0.2	7.7	128.7	-19.54		32.12	-26.63	2nd Reading;Good;No Repair Needed
W32R	10/1/15 14:48	54.4	36.8	0	8.8	127.4	-21.79		30.22	-28.61	845294;Good;No Change;No Repair Needed
W32R	10/16/15 13:50	55.4	37	0	7.6	127.4	-20.58		33.32	-27.58	Valve Comment:"845294";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W32R	11/3/15 11:22	52.2	35.5	0	12.3	127.9	-21.7		35.06	-28.53	Valve Comment:"845294";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W32R	11/18/15 12:57	51.5	34.8	0.3	13.4	127.4	-19.8		26.02	-27.92	Valve Comment:"855878";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W32R	12/4/15 13:14	51.4	34.1	0.3	14.2	126.1	-22.43		27.27	-29.39	Valve Comment:"855878";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W32R	12/16/15 12:43	50.8	34.6	0.6	14	127	-21.7		39.71	-29.65	Valve Comment:"855878";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W38R	12/5/14 11:39	51.8	34.2	0	14	129	-2.58		30.47	-15.71	Good;No Change;No Repair Needed
W38R	12/18/14 11:34	55.7	34	0	10.3	129	-3.04		0	-15.02	Good;No Change;No Repair Needed
W38R	1/22/15 12:11	39	31.5	0	29.5	122.5	-5.52	-4.93	10.63	-16.79	Good;No Repair Needed;Slightly Closed
W38R	1/22/15 12:12	38	32	0	30	114.8	-4.36		6.57	-18.3	2nd Reading;Good;No Repair Needed
W38R	2/3/15 12:27	52.5	32.2	0.1	15.2	50.6	-3.91		2.85	-21.84	Good;No Change;No Repair Needed
W38R	3/3/15 11:57	66.2	33.8	0	0	46.6	0.75	-0.03	0	-13.16	Good;No Repair Needed;Slightly Open
W38R	3/3/15 11:58	67.2	32.8	0	0	66.6	-0.16		0	-13.81	2nd Reading;Good;No Repair Needed
W38R	3/18/15 11:30	56.5	32.6	0.1	10.8	116	-3.54		5.37	-15.54	Good;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W38R	4/2/15 11:43	52.3	33	0	14.7	119.3	-2.97		23.38	-17.31	Good;No Change;No Repair Needed
W38R	4/17/15 13:08	53	31.8	0	15.2	117.7	-4.49		8.87	-15.88	Good;No Change;No Repair Needed
W38R	5/5/15 13:04	48.7	31.4	0	19.9	123.9	-4.21		5.33	-20.37	Good;No Change;No Repair Needed
W38R	5/20/15 13:26	47	30.8	0	22.2	124.3	-3.12	-3.04	5.97	-20.37	Good;No Repair Needed;Slightly Closed
W38R	5/20/15 13:27	46.4	31.2	0	22.4	122.1	-2.85		6.55	-20.28	2nd Reading;Good;No Repair Needed
W38R	6/1/15 13:03	49.2	32.9	0.1	17.8	117.3	-2.26		8.92	-21.28	Good;No Change;No Repair Needed
W38R	6/16/15 13:36	53.7	33.6	0	12.7	121.8	-1.17		8.06	-11.7	Good;No Change;No Repair Needed
W38R	7/2/15 13:06	55.6	34.2	0	10.2	111.4	-1.81		6.05	-17.65	Good;No Change;No Repair Needed
W38R	7/27/15 13:41	54.2	35.4	0	10.4	120.7	-1.28		6.59	-14.85	Good;No Change;No Repair Needed
W38R	8/5/15 13:54	52.9	35.5	0	11.6	123.1	-3.02		8.45	-21.41	Good;No Change;No Repair Needed
W38R	8/20/15 13:47	50.3	35.2	0	14.5	119.7	-2.38		9.68	-21.75	Good;No Change;No Repair Needed
W38R	9/4/15 10:52	50.9	34.3	0.4	14.4	124.5	-2.23		5.02	-17	Good;No Change;No Repair Needed
W38R	9/17/15 13:39	53	35.5	0.2	11.3	124.7	-1.79		10.46	-13.81	Good;No Change;No Repair Needed
W38R	10/1/15 14:59	56.1	36.5	0	7.4	116.4	-1.6	-1.7	2.9	-19.38	Good;No Repair Needed;Slightly Open
W38R	10/1/15 15:00	56.3	36	0	7.7	119.7	-1.87		27.34	-19.9	2nd Reading;Good;No Repair Needed
W38R	10/16/15 13:56	50.7	35.8	0	13.5	123.1	-3.36		7.02	-21.49	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W38R	11/3/15 11:20	47	35.7	0	17.3	121.2	-3.23	-3.14	9.27	-20.8	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
W38R	11/3/15 11:21	47.2	35.5	0	17.3	119.9	-3.11	-3.11	34.49	-20.33	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W38R	11/18/15 13:03	50.2	35	0	14.8	118.6	-1.59		5.03	-18.56	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W38R	12/4/15 13:26	48.5	33.2	0	18.3	117.5	-4.3		4.99	-19.72	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W38R	12/16/15 13:33	48.1	34.6	0	17.3	120.9	-2.5		5.02	-20.16	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W41R	12/5/14 8:57	55.6	34.9	0.2	9.3	54.1	-9.97		12.82	-18.95	Good;No Change;No Repair Needed
W41R	12/18/14 8:55	55.3	33.2	0.2	11.3	51.2	-11.22		10.08	-19.77	Good;No Change;No Repair Needed
W41R	1/8/15 9:27	57.7	33.4	0.3	8.6	45.9	-13.16	-15.23	15.07	-24.51	Good;No Repair Needed;Slightly Open
W41R	1/8/15 9:29	57	31.2	0.4	11.4	47.6	-16.35		11.08	-24.51	2nd Reading;Good;No Repair Needed
W41R	1/22/15 8:48	56.7	31.1	0.3	11.9	55.3	-18.9	-20.97	12.81	-24.82	Good;No Repair Needed;Slightly Open
W41R	1/22/15 8:49	56.9	33.8	0.1	9.2	55.6	-21.35		15.82	-24.13	2nd Reading;Good;No Repair Needed
W41R	2/3/15 9:09	61.3	36.7	0.1	1.9	55.6	-23.73	-25.8	14.52	-27.84	Good;No Repair Needed;Slightly Open
W41R	2/3/15 9:09	61.7	36.5	0	1.8	55.8	-25.45		14.7	-26.63	2nd Reading;Good;No Repair Needed
W41R	3/3/15 9:20	63.9	34	0.2	1.9	49.6	-17.47	-18.03	13.51	-18.26	Good;No Repair Needed;Slightly Open
W41R	3/3/15 9:21	64.1	34.3	0.1	1.5	49.6	-18.08		14.57	-18.39	2nd Reading;Good;No Repair Needed
W41R	3/18/15 8:56	62.1	36.3	0.5	1.1	56.2	-17.9		7.24	-18.21	Good;No Change;No Repair Needed
W41R	4/2/15 8:58	57.2	32.3	1.5	9	64.4	-22.43		0	-22.87	Good;No Change;No Repair Needed
W41R	4/17/15 11:05	63	36.7	0.1	0.2	74.3	-19.93		13.9	-20.28	Good;No Change;No Repair Needed
W41R	5/5/15 9:21	49.8	28.7	0.2	21.3	79.3	-26.53		13.09	-27.28	Good;No Change;No Repair Needed
W43R	12/5/14 8:53	54	33.7	1.5	10.8	43	-16.7		14.45	-18.26	Good;No Change;No Repair Needed
W43R	12/18/14 8:50	57.8	32.9	0.8	8.5	30.8	-15.49		0	-19.94	Fair;No Change;No Repair Needed
W43R	1/8/15 9:21	57	28.5	1.3	13.2	12	-11.35		0	-23.05	Good;No Change;No Repair Needed
W43R	1/22/15 8:42	56.8	37	0.8	5.4	33.7	-20.41		7.86	-24.9	Fair;No Change;No Repair Needed
W43R	2/3/15 9:02	56.4	34.5	0.6	8.5	25.5	-19.93		0	-25.9	Fair;No Change;No Repair Needed
W43R	3/3/15 9:14	56.2	32.4	0.9	10.5	33.4	-9.53		14.29	-18.3	Good;No Change;No Repair Needed
W43R	3/18/15 8:50	56.3	35.3	0.9	7.5	40	-6.86		0	-17.57	Good;No Change;No Repair Needed
W43R	4/2/15 8:53	56.1	35	0.7	8.2	63	-8.24		0	-22.18	Fair;No Change;No Repair Needed

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Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W43R	4/17/15 11:02	57.9	35.4	0.3	6.4	76.9	-1.08		11.87	-20.33	Fair;No Change;No Repair Needed;remote restricted
W44R	12/5/14 8:55	42	35.4	3.1	19.5	44.8	-0.2		0	-18.3	Fair;No Change;No Repair Needed
W44R	12/18/14 8:52	23.5	22.2	9.9	44.4	30.9	-1.66	-1.62	0	-20.03	Fair;No Repair Needed;Slightly Closed
W44R	12/18/14 8:53	34	27.9	4.7	33.4	28.8	-3.26		0	-19.42	2nd Reading;Fair;meter putting vacuum on well;No Repair Needed
W44R	1/8/15 9:23	31.6	31.6	4.6	32.2	9.7	-0.78		0	-23.82	Fair;No Change;No Repair Needed
W44R	2/3/15 9:05	18.1	27.6	7	47.3	26.6	-14.41	-12.21	0	-26.11	Fair;No Repair Needed;Slightly Closed
W44R	2/3/15 9:05	18	27.3	7.1	47.6	25.7	-5.13		0	-26.97	2nd Reading;Fair;No Repair Needed
W44R	2/17/15 10:24	13.3	22.7	9	55	32.9	-12.99	-12.73	0	-15.11	Fair;No Repair Needed;Slightly Closed
W44R	2/17/15 10:25	12.9	23.1	9.2	54.8	34.9	-11.69		0	-13.64	2nd Reading;Fair;No Repair Needed
W44R	3/3/15 9:16	11.8	22.1	10.5	55.6	33.3	-0.67	-0.59	0	-17.95	Fair;No Repair Needed;Slightly Closed
W44R	3/3/15 9:17	10.2	20.9	10.8	58.1	32.9	-0.89		0	-18.26	2nd Reading;Fair;No Repair Needed
W44R	3/18/15 8:52	16.5	22.6	9.6	51.3	40.7	-0.9	-0.89	0	-17.65	Fair;No Repair Needed;Slightly Closed
W44R	3/18/15 8:53	16.2	21.1	9.8	52.9	40.6	-1.48		0	-17.87	2nd Reading;Fair;No Repair Needed
W44R	4/2/15 8:55	17	20.5	11	51.5	63.5	-1.17	-1.14	0	-23.13	Fair;No Repair Needed;Slightly Closed
W44R	4/2/15 8:56	16.7	18.8	11.1	53.4	63.3	-1.69		0	-22.18	2nd Reading;Fair;No Repair Needed
W44R	4/14/15 10:27	18.1	16.8	10.3	54.8	58.5	-1.3	-1.3	0	-16.57	Fair;No Repair Needed;Slightly Closed
W44R	4/14/15 10:28	17.4	20.8	10	51.8	58.2	-2.16		0	-17.57	2nd Reading;Fair;No Repair Needed
W44R	5/5/15 9:17	18.8	19.5	9.1	52.6	84.2	-0.97	-0.97	0	-27.02	Fair;No Change;No Repair Needed
W44R	5/5/15 9:18	18.4	21.6	9	51	83.8	-1.9		0	-25.98	2nd Reading;Fair;No Repair Needed
W47R	12/5/14 8:34	57.2	36.1	0.1	6.6	49.6	-12.68		0	-16.1	Fair;No Change;No Repair Needed;remote restricted
W47R	12/18/14 8:38	58.4	36.8	0.1	4.7	37.8	-15.62	-18.29	0	-19.77	Good;No Repair Needed;remote restricted;Slightly Open
W47R	12/18/14 8:39	58.1	37	0.1	4.8	31.3	-19.76		0	-19.46	2nd Reading;Good;No Repair Needed;remote restricted
W47R	1/8/15 9:06	3.5	17.5	18.3	60.7	13.3	-23.73	-23.43	0	-23.52	Fair;No Repair Needed;remote restricted;Slightly Closed
W47R	1/8/15 9:07	0.8	8.2	20.5	70.5	11.5	-23.77		0	-23.82	2nd Reading;Fair;No Repair Needed;remote restricted
W47R	1/22/15 8:31	57.3	35.5	0.4	6.8	39.5	-24.16		9.87	-24.17	Fair;No Change;No Repair Needed;remote restricted
W47R	2/3/15 8:49	57.8	35.8	0.4	6	34.8	-25.8		0	-25.59	Fair;No Change;No Repair Needed;remote restricted
W47R	3/3/15 9:02	61.1	35.3	0.3	3.3	34.8	-16.48		6.27	-16.57	Fair;No Change;No Repair Needed;remote restricted
W47R	3/18/15 8:38	46.3	27.6	4.8	21.3	39.5	-18.12		0	-18.17	Fair;No Change;No Repair Needed;remote restricted
W47R	4/2/15 8:41	52.2	26.7	2.3	18.8	61.4	-22.69		0	-22.49	Fair;No Change;No Repair Needed;remote restricted
W47R	4/17/15 10:54	50.9	27.3	1.5	20.3	75.7	-20.28		23.58	-20.33	Fair;No Change;No Repair Needed;remote restricted
W47R	5/5/15 9:05	58.8	35.4	0.3	5.5	80.9	-25.5		0	-25.59	Fair;No Change;No Repair Needed;remote restricted
W49R	12/5/14 8:36	60.2	37.4	0	2.4	101.7	-15.96		0	-15.88	4813;Fair;force main restricted;No Change;No Repair Needed
W49R	12/18/14 8:41	58.3	37	0	4.7	99.4	-19.97		14.32	-20.03	5411;force main restricted;Good;No Change;No Repair Needed
W49R	1/8/15 9:10	62.2	34.8	0.4	2.6	97.5	-23.43		0	-23.82	7627;Fair;force main restricted;No Change;No Repair Needed
W49R	1/22/15 8:33	57.8	35.4	0	6.8	101.2	-24.85		8.15	-24.69	9296;Fair;force main restricted;No Change;No Repair Needed
W49R	2/3/15 8:51	58.4	35.9	0	5.7	99.8	-26.19		35.36	-26.24	9793;Fair;force main restricted;No Change;No Repair Needed
W49R	3/3/15 9:04	62.2	36.8	0	1	98.6	-17.73		36.56	-17.57	10649;force main restricted;Good;No Change;No Repair Needed
W49R	3/18/15 8:40	61.1	34.9	0.4	3.6	99.2	-18.21		30.52	-18.21	11433;Fair;force main restricted;No Change;No Repair Needed
W49R	4/2/15 8:43	55.7	32.1	1.4	10.8	102.6	-22.78		0	-22.87	14582;Fair;No Change;No Repair Needed
W49R	4/17/15 10:56	62.1	35.1	0	2.8	105	-20.66		17.8	-20.63	16959;Good;No Change;No Repair Needed
W49R	5/5/15 9:07	57	37.1	0.2	5.7	105.2	-26.57		16.37	-26.28	22411;Good;No Change;No Repair Needed
W49R	5/20/15 10:20	62.5	36.3	0	1.2	106.1	-26.83		20.27	-26.63	22432;Good;No Change;No Repair Needed
W49R	6/1/15 10:26	63	36.6	0	0.4	106.1	-26.19		12.27	-26.54	22432;Good;No Change;No Repair Needed
W49R	6/16/15 10:24	61	37.2	0	1.8	115.3	-21.7		15.4	-21.75	33352;Good;No Change;No Repair Needed
W49R	7/2/15 9:08	61.7	37.4	0	0.9	110.4	-18.51		7.8	-18.3	42472;Good;No Change;No Repair Needed
W49R	7/27/15 10:58	61.3	36.8	0	1.9	112.6	-18.9		16.39	-19.03	52832;Good;No Change;No Repair Needed
W49R	8/5/15 10:42	60	36.8	0	3.2	115.4	-30.03		16.47	-30.38	55022;Good;No Change;No Repair Needed
W49R	8/20/15 10:38	61.5	37.6	0	0.9	113.5	-21.31		11.51	-21.23	73896;Good;No Change;No Repair Needed
W49R	9/4/15 8:44	59.5	38.3	0.1	2.1	118.8	-29.72		18.53	-30.21	81698;Good;No Change;No Repair Needed

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Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W49R	9/17/15 10:45	59.7	38.1	0.2	2	117.3	-21.14	-21.96	20.68	-30.47	91169;Good;No Repair Needed;Slightly Open
W49R	9/17/15 10:46	60.6	38	0.2	1.2	117.7	-22.17		19.1	-30.17	2nd Reading;Good;No Repair Needed
W52R	12/5/14 8:26	59.5	34.3	0	6.2	117.8	-16.13		12.73	-16.18	Good;No Change;No Repair Needed
W52R	12/18/14 8:30	57.2	34	0	8.8	116.7	-20.06		17.08	-19.94	Good;No Change;No Repair Needed
W52R	1/8/15 8:58	56.5	33.5	0.2	9.8	115.7	-23.47		13.76	-23.87	Good;No Change;No Repair Needed
W52R	1/22/15 8:23	57.5	33.3	0.1	9.1	117	-25.15		17.04	-25.55	Good;No Change;No Repair Needed
W52R	2/3/15 8:37	58.2	34.3	0	7.5	116.3	-26.53		17.36	-26.63	Good;No Change;No Repair Needed
W52R	3/3/15 8:52	62.3	34	0	3.7	114.8	-18.03		12.16	-18.3	Good;No Change;No Repair Needed
W52R	3/18/15 8:29	63.3	33.8	0.3	2.6	115.3	-17.9		10.69	-18.17	Good;No Change;No Repair Needed
W52R	4/2/15 8:33	57.4	31.2	1.4	10	116.5	-22.35		0	-22.27	Good;No Change;No Repair Needed
W52R	4/17/15 10:45	63.7	35.4	0	0.9	116.8	-20.45		16.27	-20.67	Good;No Change;No Repair Needed
W52R	5/5/15 8:59	63.1	33.7	0	3.2	117.3	-26.27		19.28	-26.59	Good;No Change;No Repair Needed
W52R	5/20/15 10:11	61.5	33.4	0	5.1	117	-26.49		19.61	-26.59	Good;No Change;No Repair Needed
W52R	6/1/15 10:16	60.3	33.1	0	6.6	116.3	-26.14		17.56	-26.28	Good;No Change;No Repair Needed
W52R	6/16/15 10:15	60.2	33.9	0	5.9	117.5	-21.35		17.95	-21.67	Good;No Change;No Repair Needed
W52R	7/2/15 8:59	59.4	34.7	0	5.9	115.9	-21.66		18.32	-21.84	Good;No Change;No Repair Needed
W52R	7/27/15 10:49	58.8	34.7	0	6.5	116.3	-19.28		17.31	-19.34	Good;No Change;No Repair Needed
W52R	8/5/15 10:31	49.7	30.8	0	19.5	117.8	-30.03		23.91	-30.73	Good;No Change;No Repair Needed
W52R	8/20/15 10:30	51.2	31.2	0	17.6	116	-22		14.73	-22.18	Good;No Change;No Repair Needed
W52R	9/4/15 9:07	44.2	29.3	0.1	26.4	118.2	-27.57	-26.96	21.4	-27.79	Good;No Repair Needed;Slightly Closed
W52R	9/4/15 9:08	43.8	29.5	0.1	26.6	118	-24.12		18.49	-28.14	2nd Reading;Good;No Repair Needed
W52R	9/17/15 10:48	41.2	29.4	0.3	29.1	120	-19.24	-17.99	20.41	-30.9	Good;No Repair Needed;Slightly Closed
W52R	9/17/15 10:49	41	28.2	0.3	30.5	119.7	-16.18		16.56	-30.56	2nd Reading;Good;No Repair Needed
W54R	12/5/14 8:23	57.5	29.7	0.8	12	116	-9.62		36.37	-16.23	472801;Good;No Change;No Repair Needed
W54R	12/18/14 8:28	57.1	30.8	0.6	11.5	121.3	-9.62		35.33	-20.37	Good;No Change;No Repair Needed
W54R	1/8/15 8:55	52.3	21.6	1.2	24.9	114	-15.92		16.29	-24.17	493688;Good;No Change;No Repair Needed
W54R	1/22/15 8:20	52.9	23.3	0.9	22.9	116.1	-18.12		16.78	-25.85	495387;Good;No Change;No Repair Needed
W54R	2/3/15 8:34	55.1	23.7	0.2	21	113	-18.81		13.71	-26.54	497012;Good;No Change;No Repair Needed
W54R	3/3/15 8:49	63.9	26.2	0.2	9.7	110.4	-13.03	-13.68	12.91	-19.51	510375;Good;No Repair Needed;Slightly Open
W54R	3/3/15 8:49	62.8	27.3	0.1	9.8	111.7	-14.11		17.61	-19.46	2nd Reading;Good;No Repair Needed
W54R	3/18/15 8:26	66	28	0.6	5.4	110.4	-14.58	-15.14	10.5	-18.3	510375;Good;No Repair Needed;Slightly Open
W54R	3/18/15 8:27	65.3	29.1	0.6	5	111.2	-15.62		24.68	-17.95	2nd Reading;Good;No Repair Needed
W54R	4/2/15 8:31	53.7	24.6	1.5	20.2	111.6	-19.76		0	-23.13	510382;Good;No Change;Pump Maintenance Required
W54R	4/17/15 10:42	54.4	24.6	2.4	18.6	116.5	-16.48		29.17	-19.98	5993;Good;No Change;No Repair Needed
W54R	5/5/15 8:56	48.5	24.9	2.1	24.5	112.1	-21.7		50.44	-27.32	17160;Good;No Change;No Repair Needed
W54R	5/20/15 10:08	48.4	26.2	1.4	24	115.5	-19.93		25.26	-27.19	43275;Good;No Change;No Repair Needed
W54R	6/1/15 10:13	46.9	25.8	1.1	26.2	115.5	-18.9	-18.21	25.33	-26.63	43275;Good;No Repair Needed;Slightly Closed
W54R	6/1/15 10:14	47.6	24.4	1	27	114.8	-17.17		20.62	-26.97	2nd Reading;Good;No Repair Needed
W54R	6/16/15 10:13	55.6	27.7	0	16.7	115.8	-12.38		15.76	-21.54	43275;Good;No Change;No Repair Needed
W54R	7/2/15 8:55	57.8	27.2	0	15	112.3	-10.27	-11.3	12.71	-18.08	43275;Good;No Repair Needed;Slightly Open
W54R	7/2/15 8:57	58.8	28.4	0	12.8	113.5	-11.99		19.9	-18.69	2nd Reading;Good;No Repair Needed
W54R	7/27/15 10:46	60.6	28.7	0	10.7	113.7	-14.06		19.26	-19.68	43275;Good;No Change;No Repair Needed
W54R	8/5/15 10:29	53.6	25.3	0.2	20.9	116.5	-20.36		23.86	-31.42	43275;Good;No Change;No Repair Needed
W54R	8/20/15 10:28	52.2	26.9	0.3	20.6	121.8	-16.09		23.87	-26.59	58219;Good;No Change;No Repair Needed
W54R	9/4/15 9:03	48.7	25.1	0.3	25.9	117.9	-17.21		21.8	-28.01	69825;Good;No Change;No Repair Needed
W54R	9/17/15 11:09	52.7	25.4	0.4	21.5	119.5	-15.75		23.44	-31.07	69828;Good;No Change;No Repair Needed
W54R	10/1/15 11:42	39.6	17.5	6.7	36.2	118.9	-7.89	-6.86	52.54	-30.82	69829;Fair;Pump Maintenance Required;Slightly Closed;tri tubing failure
W54R	10/1/15 11:43	48.4	20.6	4.5	26.5	120	-6.86		42.89	-30.13	2nd Reading;Fair;Pump Maintenance Required

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W54R	10/16/15 10:33	68	30.7	0.1	1.2	110.5	-4.26	-7.77	38.32	-31.33	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W54R	10/16/15 10:35	68.6	29.8	0	1.6	117.9	-10.96		43.2	-25.64	Valve Comment:"69833";Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W54R	11/3/15 9:57	57.7	24.3	0.5	17.5	117.3	-15.83		22.45	-26.03	Valve Comment:"69837";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W54R	11/18/15 10:06	55.2	22.8	0.3	21.7	115.3	-14.45	-15.49	29.62	-25.98	Valve Comment:"69838";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W54R	11/18/15 10:07	58.6	27.1	0.1	14.2	115.9	-17.39		41.95	-32.54	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W54R	12/4/15 9:58	64	24.9	0.2	10.9	117.5	-17.95	-18.38	27.02	-30.64	Valve Comment:"69838";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W54R	12/4/15 9:59	64.1	25.9	0	10	118	-19.46		32.49	-30.6	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W54R	12/16/15 9:34	57.7	26.1	0	16.2	116.4	-18.59	-19.07	27.54	-26.8	Valve Comment:"69838";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W54R	12/16/15 9:36	59.4	25.6	0	15	117.5	-19.63		32.47	-26.46	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W59R	12/5/14 8:12	56.9	32.6	0.1	10.4	107.5	-14.15		26.35	-16.23	110762;Good;No Change;Pump Maintenance Required
W59R	12/18/14 8:15	57.9	39.4	0.5	2.2	100.6	-17.77		5.87	-19.68	116803;Good;No Change;Pump Maintenance Required
W59R	1/8/15 8:40	56.5	35.6	0.5	7.4	88.9	-21.31		7.89	-24.21	119570;Good;No Change;No Repair Needed
W59R	1/22/15 8:08	57.2	32.9	0.4	9.5	104.4	-23.47		29.41	-26.24	120409;Good;No Change;No Repair Needed
W59R	2/3/15 8:20	57.6	38.6	0.3	3.5	86.8	-24.5		29.57	-26.28	121339;Good;No Change;Pump Maintenance Required
W59R	3/3/15 8:35	57.6	38.1	0.4	3.9	91.6	-16.31		32.88	-17.61	121572;Good;No Change;No Repair Needed
W59R	3/18/15 8:05	57.5	38.5	1	3	91.4	-18.85		32.67	-20.37	122008;Good;No Change;No Repair Needed
W59R	4/2/15 8:18	55.1	30.4	2.8	11.7	100.8	-20.71		0	-23.52	122601;Good;No Change;No Repair Needed
W59R	4/17/15 10:29	57.1	35.7	1.3	5.9	105.8	-17.47		10.79	-20.8	123412;Good;No Change;No Repair Needed
W59R	5/5/15 8:42	55.6	36.8	1.4	6.2	107.2	-22.52		11.82	-27.32	125570;Good;No Change;No Repair Needed
W59R	5/20/15 9:57	57.1	37.1	1.2	4.6	105.2	-22.82		9.31	-26.63	127113;Good;No Change;No Repair Needed
W59R	6/1/15 9:59	62.6	35.6	0.6	1.2	103.1	-20.62		10.73	-25.33	127113;Good;No Change;No Repair Needed
W59R	6/16/15 9:57	60.7	33.9	0.7	4.7	109.3	-21.18		11.71	-22.44	130646;Good;No Change;No Repair Needed
W59R	7/2/15 8:41	61.8	34.3	1.2	2.7	106.5	-18.21		0	-18.69	132057;Good;No Change;Pump Maintenance Required
W59R	7/27/15 10:34	62.8	33.3	0.5	3.4	107.7	-18.21		12.23	-19.34	135990;Good;No Change;No Repair Needed
W59R	8/5/15 10:12	56.6	35.4	0.5	7.5	110.4	-28.73		14.76	-30.47	143052;Good;No Change;No Repair Needed
W59R	8/20/15 10:14	56.8	32.2	0.5	10.5	107.2	-20.45		28.41	-21.41	143970;Good;No Change;No Repair Needed
W59R	9/4/15 8:50	61.8	34.8	0.2	3.2	114.1	-29.03		11.49	-30.34	143970;Good;No Change;No Repair Needed
W59R	9/17/15 10:55	57.9	34.2	0.2	7.7	120.4	-28.6		17.57	-30.51	150192;Good;No Change;No Repair Needed
W59R	10/1/15 11:12	61.9	33.8	0.7	3.6	110.5	-28.65		16.03	-30.34	153933;Fair;No Change;No Repair Needed
W59R	10/16/15 10:10	65.7	33.5	0.2	0.6	113.2	-23.77		13.16	-25.77	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W59R	11/3/15 9:26	63.5	35.7	0	0.8	113.5	-26.53		16.44	-28.23	Valve Comment:"170198";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W59R	11/18/15 10:18	62.1	32	0.3	5.6	112.3	-23.43		13.18	-25.64	Valve Comment:"180435";Valve Adjustment:"No Change";Well Comment:"pump stuck in well";Well Condition:"Fair";Well Repairs:"No Repair Needed"
W59R	12/4/15 9:37	64.2	33.2	0.1	2.5	109.8	-28.65		13.55	-31.16	Valve Comment:"184119";Valve Adjustment:"No Change";Well Comment:"pump stuck ";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Flow (scfm)	System Pressure ("H2O)	Comments
W59R	12/16/15 9:23	57.7	36.9	0.2	5.2	109.8	-24.85		6.7	-26.41	Valve Comment:"184119";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W60R	12/5/14 8:14	56.9	35.4	0	7.7	59.4	-4.21		10.18	-16.06	Good;No Change;No Repair Needed
W60R	12/18/14 8:17	57.5	34.7	0	7.8	48.6	-5.13	-5.52	9.86	-20.46	Good;No Repair Needed;Slightly Open
W60R	12/18/14 8:18	57.5	36.1	0	6.4	50.9	-7.94		11.63	-20.37	2nd Reading;Good;No Repair Needed
W60R	1/8/15 8:43	39.1	29.5	0.8	30.6	43	-8.58	-7.55	0	-23.18	Fair;No Repair Needed;Slightly Closed
W60R	1/8/15 8:44	38.4	28.9	0.8	31.9	41.2	-4.57		0	-23.48	2nd Reading;Fair;No Repair Needed
W60R	1/22/15 8:10	60.5	35.7	0	3.8	47	-2.6	-3.2	9.07	-26.46	Good;No Repair Needed;Slightly Open
W60R	1/22/15 8:11	61.2	37.1	0	1.7	46.4	-5.09		10.68	-26.89	2nd Reading;Good;No Repair Needed
W60R	2/3/15 8:22	43.4	32	0.4	24.2	42	-6.17	-5.82	4.95	-27.32	Good;No Repair Needed;Slightly Closed
W60R	2/3/15 8:23	43.4	31.6	0.4	24.6	42.4	-4.51		7.03	-25.59	2nd Reading;Good;No Repair Needed
W60R	3/3/15 8:37	50.6	32.9	0	16.5	42.8	-2.78		4.99	-17.95	Good;No Change;No Repair Needed
W60R	3/18/15 8:12	3.5	1.8	20.3	74.4	41	3.94	-0.1	2.93	-19.25	Fair;No Repair Needed;Slightly Open
W60R	3/18/15 8:13	4.8	2	19.8	73.4	43.5	-2.9		6.43	-19.46	2nd Reading;Fair;Pump Maintenance Required
W60R	3/18/15 11:47	37.2	24.2	0.5	38.1	53	-6.95		0	-18.43	Fair;No Change;Pump Maintenance Required
W60R	4/2/15 8:20	36	26.6	1.1	36.3	61	-7.55	-7.51	0	-23.56	Fair;No Repair Needed;Slightly Closed
W60R	4/2/15 8:21	36.4	27.8	1	34.8	60.3	-5.48		0	-23.22	2nd Reading;Fair;No Repair Needed
W60R	4/17/15 10:31	52.1	30.9	0.3	16.7	73.4	-3.5		7.38	-20.2	Good;No Change;No Repair Needed
W60R	5/5/15 8:45	30.8	24.1	7	38.1	74.5	-6.51	-3.45	5.53	-26.37	Fair;No Repair Needed;Slightly Closed
W60R	5/5/15 8:46	30.5	23	7.2	39.3	74.5	-1.33		7.42	-27.28	2nd Reading;Fair;No Repair Needed
W60R	5/5/15 13:29	53.7	30.8	1.9	13.6	89.7	-1.5		9.77	-27.36	Good;No Change;No Repair Needed
W60R	5/20/15 9:58	55.2	31.6	1.2	12	78	-0.68		10.84	-26.59	Good;No Change;No Repair Needed
W60R	6/1/15 10:01	59.3	35.4	0.6	4.7	77.4	1.34	-0.4	8.9	-26.63	Good;No Repair Needed;Slightly Open
W60R	6/1/15 10:02	58.6	38	0.5	2.9	81	-1.21		10.05	-26.28	2nd Reading;Good;No Repair Needed
W60R	6/16/15 9:59	61.8	35.9	0	2.3	98.8	-1.2	-1.35	7.76	-22.05	Good;No Repair Needed;Slightly Open
W60R	6/16/15 10:00	61.8	36.5	0	1.7	99.2	-1.73		10.95	-22.23	2nd Reading;Good;No Repair Needed
W60R	7/2/15 8:43	61.9	34.2	0	3.9	93.6	-0.96	-1.12	6.75	-18.64	Good;No Repair Needed;Slightly Open
W60R	7/2/15 8:44	63.3	36.3	0	0.4	95.2	-1.88		9.9	-18.64	2nd Reading;Good;No Repair Needed
W60R	7/27/15 10:36	53	31.6	0.1	15.3	90.5	-4.49		11.3	-19.12	Good;No Change;No Repair Needed
W60R	8/5/15 10:14	45.2	28.3	0.1	26.4	94.8	-6.26	-5.91	13.32	-30.51	Good;No Repair Needed;Slightly Closed
W60R	8/5/15 10:15	45	29.5	0.1	25.4	94.8	-4.32		13.1	-30.73	2nd Reading;Good;No Repair Needed
W60R	8/20/15 10:16	57.8	32	0.6	9.6	87.7	-2.49	-2.73	4.78	-20.85	Good;No Repair Needed;Slightly Open
W60R	8/20/15 10:17	57.6	32.1	0.6	9.7	88.2	-1.97		6.18	-21.19	2nd Reading;Good;No Repair Needed
W60R	9/4/15 8:52	55.6	31.4	0.2	12.8	90	-2.67		10.44	-30.82	Good;No Change;No Repair Needed
W60R	9/17/15 10:57	56.9	31.3	0.2	11.6	89.4	-2.28	-2.62	18.1	-30.56	Good;No Repair Needed;Slightly Open
W60R	9/17/15 10:58	57.1	33	0.2	9.7	89.8	-3.73		14.44	-30.86	2nd Reading;Good;No Repair Needed
W60R	10/1/15 11:14	53.7	31.3	0.2	14.8	76.1	-3.49		11.19	-30.43	Good;No Change;No Repair Needed
W60R	10/16/15 10:13	60.5	36.8	0.2	2.5	80.6	-0.29	-0.53	8.74	-25.08	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W60R	10/16/15 10:15	60.4	37.4	0.2	2	82.9	-2.27		10.84	-30.3	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W60R	11/3/15 9:49	36.6	21.3	9.1	33	88.5	-0.1	-0.01	8.93	-29.05	Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"
W60R	11/3/15 9:50	30.6	18.5	11.8	39.1	88.2	-0.03		17.34	-27.45	Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"
W60R	11/18/15 10:15	31.4	15.6	11.8	41.2	73.4	-0.06	-0.06	17.48	-27.71	Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"
W60R	11/18/15 10:16	30.3	14.6	12.2	42.9	73.4	-0.05		11.66	-27.02	Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
W60R	12/4/15 9:41	63.9	32.5	0	3.6	55.9	-2.17	-2.57	7.1	-28.87	Valve Comment:"196135";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
W60R	12/4/15 9:42	65.1	34.2	0	0.7	57.7	-4.33		10.4	-31.98	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
W60R	12/16/15 9:25	56.2	31.9	1	10.9	79.2	-0.5		12.69	-25.81	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
W63R	12/5/14 7:43	10.6	11.4	16.9	61.1	50.9	-1.97	-1.8	16.19	-16.88	Fair;No Repair Needed;Slightly Closed
W63R	12/5/14 7:44	10.6	7.4	17.6	64.4	46.9	-1.1		10.78	-16.57	2nd Reading;Fair;No Repair Needed
W63R	12/18/14 7:52	10.7	9	17.6	62.7	33.2	0.2	-0.26	0	-20.03	Fair;No Repair Needed;Slightly Open
W63R	12/18/14 7:53	10.8	7.1	18	64.1	29.6	-0.19		0	-19.77	2nd Reading;Fair;No Repair Needed
W63R	1/8/15 8:03	7.3	16.9	17.5	58.3	16.1	-1.45	-1.34	7.86	-24.08	Fair;No Repair Needed;Slightly Closed
W63R	1/8/15 8:04	5.7	8	19	67.3	11.7	-1.15		9.44	-25.12	2nd Reading;Fair;No Repair Needed
W63R	1/22/15 7:44	7.1	11.5	18.3	63.1	49.2	-1.75	-1.73	7.03	-28.61	Fair;No Repair Needed;Slightly Closed
W63R	1/22/15 7:44	5.4	5.7	19.7	69.2	42.1	-1.72		0	-27.97	2nd Reading;Fair;No Repair Needed
W63R	2/3/15 7:52	6	15.8	17.9	60.3	39.1	-1.53	-1.54	0	-27.28	Fair;No Change;No Repair Needed;valve barely cracked
W63R	2/3/15 7:52	5.1	8.8	19.1	67	34	-1.54		0	-26.93	2nd Reading;Fair;No Repair Needed
W63R	2/17/15 10:33	6.2	6.8	18.9	68.1	34.1	-1.09	-0.52	4.13	-15.15	Fair;No Repair Needed;Slightly Closed
W63R	2/17/15 10:34	6.2	4.9	19.3	69.6	34.9	-0.17		4.97	-14.2	2nd Reading;Fair;No Repair Needed
W63R	3/3/15 8:06	14.2	12.3	14.9	58.6	42	-0.56	-0.53	0	-18.64	Fair;No Repair Needed;Slightly Closed
W63R	3/3/15 8:07	14.7	11	15.2	59.1	35.4	-0.54		0	-19.68	2nd Reading;Fair;No Repair Needed
W63R	3/18/15 7:37	14.6	16.8	15.4	53.2	39.1	-0.25	-0.01	5.04	-17.48	Fair;No Repair Needed;Slightly Closed
W63R	3/18/15 7:37	14.4	10.1	16.1	59.4	33.7	-0.1		1.31	-17.91	2nd Reading;Fair;No Repair Needed
W63R	4/2/15 7:44	14.5	14.3	15.9	55.3	66.7	-0.28	-0.29	7.49	-22.18	Fair;No Repair Needed;Slightly Closed
W63R	4/2/15 7:45	14.2	8.1	16.5	61.2	59	-0.32		7.54	-22.18	2nd Reading;Fair;No Repair Needed
W63R	4/14/15 10:12	22.6	17.4	12.9	47.1	58.8	-0.12	-0.11	0	-12.9	Fair;No Repair Needed;Slightly Closed
W63R	4/14/15 10:12	23	14.2	13.2	49.6	58.5	-0.08		0	-12.82	2nd Reading;Fair;No Repair Needed
W63R	5/5/15 8:05	12	13.3	16.2	58.5	77.1	-0.27	-0.24	0	-26.97	Fair;No Repair Needed;Slightly Closed
W63R	5/5/15 8:06	12.4	8.1	16.9	62.6	72.6	-0.25		0	-26.67	2nd Reading;Fair;No Repair Needed
HW1	12/5/14 9:22	39.9	30.3	4.9	24.9	59.4	-0.03		9.88	-15.24	Good;No Change;No Repair Needed
HW1	12/18/14 9:18	40.6	31.8	3.4	24.2	51.8	-0.03		10.75	-18.86	Fair;No Change;No Repair Needed;valve barely cracked
HW1	1/22/15 9:25	14.5	16.7	13.9	54.9	45.8	-0.06	-0.01	15.57	-25.42	Fair;No Repair Needed;Slightly Closed
HW1	1/22/15 9:26	14.8	12.3	14.5	58.4	44.5	-0.01		5.57	-24.82	2nd Reading;Fair;No Repair Needed
HW1	2/3/15 9:45	62.1	36.4	0	1.5	36.5	0.05	-0.02	0	-25.55	Good;No Repair Needed;Slightly Open
HW1	2/3/15 9:46	64.1	35.9	0	0	38	-0.03		11.23	-25.25	2nd Reading;Good;No Repair Needed
HW1	3/3/15 9:46	54.2	30.7	2	13.1	44.2	-0.04		7.63	-16.18	Good;No Change;No Repair Needed
HW1	3/18/15 9:25	22.6	16.7	11.8	48.9	48.2	-0.1	-0.01	2.88	-16.83	Fair;No Repair Needed;Slightly Closed
HW1	3/18/15 9:26	22.6	13.5	12.1	51.8	48.3	-0.02		0	-16.75	2nd Reading;Fair;No Repair Needed
HW1	4/2/15 9:33	29.3	23	7.5	40.2	65.4	-0.01	-0.01	0	-19.72	Fair;No Change;No Repair Needed
HW1	4/2/15 9:33	29.9	19.3	7.8	43	61.9	-0.01		4.02	-19.72	2nd Reading;Fair;No Repair Needed
HW1	4/14/15 10:35	64.7	30.6	0.1	4.6	56.1	0.08	-0.02	8.59	-13.47	Good;No Repair Needed;Slightly Open
HW1	4/14/15 10:36	65.8	31	0	3.2	55.9	-0.04		10.32	-15.28	2nd Reading;Good;No Repair Needed
HW1	5/5/15 9:49	13.6	15.2	10	61.2	71.9	-0.09	-0.04	9.35	-24.9	Fair;No Repair Needed;Slightly Closed
HW1	5/5/15 9:50	13.3	13.1	10.2	63.4	69.8	-0.03		6.32	-25.59	2nd Reading;Fair;No Repair Needed
HW1	5/20/15 12:15	52.3	32.4	0	15.3	76.6	-0.01		4.53	-24.99	Good;No Change;No Repair Needed
HW1	6/1/15 12:01	20.4	22.7	2.6	54.3	71.4	-0.01		7.98	-23.26	Fair;No Change;No Repair Needed
HW1	6/16/15 12:23	41.2	31.2	0.3	27.3	88.4	-0.01		7.35	-19.34	Good;No Change;No Repair Needed;valve barely cracked
HW1	7/2/15 10:47	58.9	35.9	0	5.2	76.6	-0.01	-0.05	10.12	-21.41	Good;No Repair Needed;Slightly Open
HW1	7/2/15 10:48	59.1	36	0	4.9	76.8	-0.05		14.31	-21.88	2nd Reading;Good;No Repair Needed
HW1	7/27/15 12:33	29.8	26.4	2.3	41.5	85.3	-0.03		11.14	-17.22	Fair;No Change;No Repair Needed;valve barely cracked

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
HW1	8/5/15 12:50	13.8	20.2	6.3	59.7	87.2	-0.04	-0.02	7.35	-28.4	Fair;No Repair Needed;Slightly Closed
HW1	8/5/15 12:51	12.8	16	6.3	64.9	86.6	-0.01		7.87	-28.31	2nd Reading;Fair;No Repair Needed
HW1	8/20/15 12:39	30.6	29.2	0.5	39.7	83.8	-0.01		6.83	-24.77	Fair;No Change;No Repair Needed
HW1	9/4/15 9:43	12.3	20.6	3.3	63.8	83.3	-0.01		5.83	-27.15	Fair;No Change;No Repair Needed
HW1	9/17/15 12:28	60.9	36.9	0	2.2	89.8	0.03	-0.01	6.52	-25.9	Good;No Repair Needed;Slightly Open
HW1	9/17/15 12:29	61.2	37.4	0	1.4	88.3	-0.01		12.7	-25.59	2nd Reading;Good;No Repair Needed
HW1	10/1/15 13:13	30.8	27.4	1.3	40.5	78.4	-0.08		11.28	-29.52	Good;No Change;No Repair Needed
HW1	10/16/15 12:19	24.6	24.6	1.6	49.2	75.9	-0.04		14.54	-28.79	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW1	11/3/15 10:44	30.7	26.8	2.1	40.4	76.4	-0.06		15.07	-29.07	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW1	11/18/15 10:51	49.8	32.9	0.2	17.1	70.3	-0.03		8.24	-30.6	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW1	12/4/15 12:17	18.1	17.8	6.3	57.8	63.9	-0.06	-0.03	8.24	-27.75	Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"No Repair Needed"
HW1	12/4/15 12:18	18	17	6.3	58.7	63.3	-0.01		5.83	-26.03	Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair Needed"
HW1	12/16/15 10:11	63	35.8	0	1.2	63.1	0.03	-0.01	4.12	-24.82	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW1	12/16/15 10:12	63	36.5	0	0.5	61.5	-0.01		6.52	-28.83	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW3	12/5/14 8:00	60.4	39.6	0	0	49.4	1.07	-0.04	0	-16.23	Good;No Repair Needed;Slightly Open
HW3	12/5/14 8:01	62.6	37.2	0	0.2	51.2	-0.42		32.14	-17.09	2nd Reading;Good;No Repair Needed
HW3	12/18/14 8:06	50.7	35.7	2.4	11.2	43.6	-1.18		6.46	-21.1	Good;No Change;No Repair Needed
HW3	1/8/15 8:26	50.5	33.8	2.4	13.3	35.2	-1.56	-1.54	13.02	0.04	Fair;lateeral frozen;No Change;No Repair Needed
HW3	1/8/15 8:27	52.2	31.7	2.3	13.8	36.4	-1.53		17.2	0.04	2nd Reading;Good;No Repair Needed
HW3	1/22/15 7:57	48.7	32.5	2.9	15.9	42	-2.23		5.77	-25.51	Good;No Change;No Repair Needed
HW3	2/3/15 8:10	55.5	39.1	1.2	4.2	37.8	-2.47		7.09	-26.72	Good;No Change;No Repair Needed
HW3	3/3/15 8:21	61.4	33.9	0.5	4.2	39.1	-2.05	-2.29	7.09	-19.51	Good;No Repair Needed;Slightly Open
HW3	3/3/15 8:22	61.8	33.8	0.4	4	39.7	-2.78		9.58	-19.38	2nd Reading;Good;No Repair Needed
HW3	3/18/15 7:53	55.1	31.5	2.5	10.9	45.1	-4.67		6.39	-18.86	Good;No Change;No Repair Needed
HW3	4/2/15 8:01	45.6	27.2	5.1	22.1	54.9	-4.45	-3.75	4.91	-22.96	Good;No Repair Needed;Slightly Closed
HW3	4/2/15 8:02	46.1	25.4	5.1	23.4	55.3	-3.17		0	-22.53	2nd Reading;Good;No Repair Needed
HW3	4/2/15 10:37	51.5	32.9	2.5	13.1	61.4	-1.03		6.35	-23.22	Good;No Change;No Repair Needed
HW3	4/17/15 10:05	63.2	36.8	0	0	71	-0.33	-0.71	6.3	-20.46	Good;No Repair Needed;Slightly Open
HW3	4/17/15 10:06	63.9	36	0	0.1	69.5	-1.77		11.6	-20.93	2nd Reading;Good;No Repair Needed
HW3	5/5/15 8:22	38.4	24.3	5.6	31.7	70.2	-4.97	-4.07	9.66	-27.15	Good;No Repair Needed;Slightly Closed
HW3	5/5/15 8:23	39.2	23.5	5.7	31.6	70.2	-3.29		8.4	-26.67	2nd Reading;Good;No Repair Needed
HW3	5/5/15 13:20	52.7	31.7	1.3	14.3	84.8	-0.32		6.82	-26.72	Good;No Change;No Repair Needed
HW3	5/20/15 9:31	47.2	31.2	2.8	18.8	74.3	-0.33		8.89	-26.63	Good;No Change;No Repair Needed
HW3	6/1/15 9:36	35.8	24.1	5.9	34.2	72.6	-0.11	-0.06	2.82	-19.34	Good;No Repair Needed;Slightly Closed
HW3	6/1/15 9:37	36.1	23.5	5.9	34.5	72.2	-0.01		4.88	-18.3	2nd Reading;Good;No Repair Needed
HW3	6/16/15 9:32	35	24.7	5.6	34.7	86.3	-0.03	-0.03	5.56	-22.53	Fair;No Repair Needed;Slightly Closed
HW3	6/16/15 9:33	34.9	23.7	5.6	35.8	89.2	-0.03		5.55	-21.92	2nd Reading;Fair;No Repair Needed
HW3	7/2/15 8:17	48.8	33.7	1.8	15.7	78.2	-0.01		5.6	-19.34	Good;No Change;No Repair Needed
HW3	7/27/15 9:51	51.9	34.4	1.2	12.5	84	-0.02		8.36	-19.46	Good;No Change;No Repair Needed
HW3	8/5/15 9:52	41.2	27.3	3.9	27.6	89.5	-0.03		6.79	-31.12	Good;No Change;No Repair Needed;valve barely cracked
HW3	8/20/15 9:53	38.8	30.6	4.2	26.4	85.5	-0.01		6.26	-22.44	Fair;No Change;No Repair Needed
HW3	9/4/15 8:04	15.5	15.3	13.5	55.7	85.1	-0.02	0.08	7.71	-30.47	Fair;No Repair Needed;Slightly Closed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
HW3	9/4/15 8:05	14.7	10	13.8	61.5	84.4	0.09	0.08	4.12	-30.86	Fair;No Change;No Repair Needed
HW3	9/4/15 8:06	15.2	9.6	13.9	61.3	84	0.06		5.83	-28.1	2nd Reading;Fair;No Repair Needed;variance
HW3	9/17/15 10:12	60.3	39.6	0.1	0	82.6	0.11	-0.04	13.36	-30.6	Good;No Repair Needed;Slightly Open
HW3	9/17/15 10:13	61	38.9	0.1	0	82.4	-0.1		13.35	-30.9	2nd Reading;Good;No Repair Needed
HW3	10/1/15 10:26	38.2	25.2	5.7	30.9	72.1	-0.17	0.13	7.71	-30.9	Fair;No Repair Needed;Slightly Closed;variance
HW3	10/1/15 10:27	38.2	24.9	5.7	31.2	69.8	0.16	0.16	2.92	-30.77	Fair;No Change;No Repair Needed
HW3	10/1/15 10:28	38.8	24.7	5.7	30.8	69.1	0.17		4.12	-30.43	2nd Reading;Fair;No Repair Needed
HW3	10/16/15 9:16	61.3	38.7	0	0	64.6	0.23	-0.02	2.92	-25.94	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW3	10/16/15 9:17	61.5	38.5	0	0	67.8	-0.08		7.71	-26.85	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW3	11/3/15 8:43	54	31.5	0.8	13.7	65.8	-0.26		10.66	-25.72	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW3	11/18/15 9:33	49.9	30	2.3	17.8	65.5	-0.18		7.14	-26.97	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW3	12/4/15 9:05	62.3	36	0	1.7	51.4	-0.03	-0.19	6.52	-26.11	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW3	12/4/15 9:06	62.7	35.5	0	1.8	52.9	-0.59		9.2	-26.11	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW3	12/16/15 8:48	43.4	31.4	1.2	24	55	-1.15	-0.99	9.64	-26.59	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW3	12/16/15 8:49	44.5	29.8	1.2	24.5	54.7	-0.76		7.13	-26.24	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	12/5/14 7:52	54.6	38.9	0.3	6.2	50.9	-1.31		11.82	-16.06	Good;No Change;No Repair Needed
HW4	12/18/14 7:59	50.1	33.7	3.1	13.1	42	-2.15		10.41	-20.33	Good;No Change;No Repair Needed
HW4	1/8/15 8:14	42.9	29.9	4.6	22.6	29	-2.8	-2.53	33.55	-24.6	Fair;No Repair Needed;Slightly Closed
HW4	1/8/15 8:16	49.5	29.4	2.8	18.3	32.1	-3.17		26.6	-24.51	2nd Reading;Fair;No Repair Needed
HW4	1/22/15 7:51	48.2	32.8	3.2	15.8	40.2	-3.24		8.16	-25.9	Good;No Change;No Repair Needed
HW4	2/3/15 8:00	47.4	33.8	4.1	14.7	34.5	-2.36	-2.31	5.81	-27.41	Fair;No Repair Needed;Slightly Closed
HW4	2/3/15 8:01	46.5	31.1	4.7	17.7	33.8	-2.14		5.04	-27.67	2nd Reading;Fair;No Repair Needed
HW4	3/3/15 8:14	52.6	34.3	1.8	11.3	34.9	-0.64		7.72	-18.99	Good;No Change;No Repair Needed
HW4	3/18/15 7:44	56.7	34.8	1.9	6.6	39.7	-0.82		7.11	-17.22	Good;No Change;No Repair Needed
HW4	4/2/15 7:55	55.8	33.9	1.9	8.4	58.4	-2.58		0	-21.88	Good;No Change;No Repair Needed
HW4	4/17/15 9:55	62.5	37.5	0	0	74.1	-3.17	-3.46	6.84	-21.36	Good;No Repair Needed;Slightly Open
HW4	4/17/15 9:56	62.6	37	0	0.4	73.8	-4.14		11.14	-21.36	2nd Reading;Good;No Repair Needed
HW4	5/5/15 8:14	48	33.9	1.7	16.4	72.6	-12.6	-12.38	7.22	-27.06	Good;No Repair Needed;Slightly Closed
HW4	5/5/15 8:15	47.5	31.9	2.3	18.3	73.6	-11.48		8.21	-26.72	2nd Reading;Good;No Repair Needed
HW4	5/20/15 9:25	55.3	35.1	0.7	8.9	73.3	-0.98		11.23	-26.63	Good;No Change;No Repair Needed
HW4	6/1/15 9:29	51.9	32.7	0.5	14.9	72	-0.72		8.9	-26.97	Good;No Change;No Repair Needed
HW4	6/16/15 9:25	49.7	34.2	0.2	15.9	89.9	-0.41		10.36	-22.1	Good;No Change;No Repair Needed
HW4	7/2/15 8:08	51.5	36.6	0.2	11.7	79.1	-0.18		4.85	-18.6	Good;No Change;No Repair Needed
HW4	7/27/15 9:43	55.5	36.7	0.1	7.7	86.1	-0.22	-0.3	11.12	-19.72	Good;No Repair Needed;Slightly Open
HW4	7/27/15 9:44	55.6	37.1	0	7.3	87.3	-0.54		9.61	-19.64	2nd Reading;Good;No Repair Needed
HW4	8/5/15 9:43	37.5	28.7	1.8	32	90.7	-1.09	-0.87	12.36	-30.38	Good;No Repair Needed;Slightly Closed
HW4	8/5/15 9:44	37.4	29.4	1.8	31.4	91.1	-0.42		9.58	-30.47	2nd Reading;Good;No Repair Needed
HW4	8/20/15 9:46	59.4	38	0	2.6	85.3	0.12	-0.1	7.88	-20.5	Good;No Repair Needed;Slightly Open
HW4	8/20/15 9:47	59.5	38.3	0	2.2	86.3	-0.59		9.62	-20.8	2nd Reading;Good;No Repair Needed
HW4	9/4/15 7:56	24.8	23.3	6	45.9	85.5	-0.96	-0.56	13	-30.6	Good;No Repair Needed;Slightly Closed
HW4	9/4/15 7:56	24.8	22.1	6	47.1	84.6	-0.06		6.52	-30.86	2nd Reading;Good;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
HW4	9/17/15 10:03	61.1	38.9	0	0	84.2	0.3	-0.04	12.71	-31.59	Good;No Repair Needed;Slightly Open
HW4	9/17/15 10:04	60.7	39	0	0.3	83.8	-0.19		13.35	-30.51	2nd Reading;Good;No Repair Needed
HW4	10/1/15 10:14	60.7	38.3	0	1	68.4	0.2	-0.12	8.25	-31.07	Good;No Repair Needed;Slightly Open
HW4	10/1/15 10:15	60.9	38.3	0	0.8	71.4	-0.65		10.08	-30.43	2nd Reading;Good;No Repair Needed
HW4	10/16/15 9:05	32	25.8	5.2	37	71.2	-1.88	-1.55	13.29	-26.46	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	10/16/15 9:06	32.5	25.1	5.3	37.1	70.9	-0.82		7.12	-26.46	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	10/28/15 15:49	61.6	37.9	0	0.5	72.2	0.37	-0.07	10.91	-30.77	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	10/28/15 15:50	61.6	38.2	0	0.2	73	-0.8		10.49	-30.73	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	11/3/15 8:35	34.5	26.5	5.7	33.3	67.8	-3.1	-2.77	11.71	-29.56	Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"No Repair Needed"
HW4	11/3/15 8:36	34	24.5	5.8	35.7	68.2	-1.89		11.75	-27.1	Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair Needed"
HW4	11/3/15 11:47	51.6	32.1	0	16.3	73.6	0.08	-0.01	15.26	-30.99	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	11/3/15 11:47	53.8	33.3	0	12.9	73	-0.22		13.79	-31.59	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	11/18/15 9:25	52	34.8	0	13.2	69.4	-0.14		6.51	-26.33	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	12/4/15 8:57	60.1	37.5	0	2.4	51.1	-0.36	-0.38	5.82	-26.2	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	12/4/15 8:58	62.1	37	0	0.9	52.2	-0.65		11.27	-26.24	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW4	12/16/15 8:42	50.3	34.8	1.8	13.1	55.6	-1.74		5.03	-26.8	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	12/5/14 7:46	54.9	34.7	1	9.4	52.5	-0.16		15.19	-16.14	Good;No Change;No Repair Needed
HW5	12/18/14 7:55	55.1	37.2	0.7	7	47.2	-0.03		17.79	-19.72	Good;No Change;No Repair Needed
HW5	1/8/15 8:08	63.2	34.3	0.3	2.2	40.9	0.15	-0.18	0	-22.79	Good;No Repair Needed;Slightly Open
HW5	1/8/15 8:08	61.3	36.8	0	1.9	42.3	-0.51		42.38	-22.1	2nd Reading;Good;No Repair Needed
HW5	1/22/15 7:47	55.3	33.9	2.1	8.7	43.1	-1.43		23.82	-27.23	Good;No Change;No Repair Needed
HW5	2/3/15 7:55	56.5	34.7	1.9	6.9	41	-1.23		28.23	-27.19	Good;No Change;No Repair Needed
HW5	3/3/15 8:09	62	36.7	0.2	1.1	39.6	-0.03	-0.46	23.09	-18.69	Good;No Repair Needed;Slightly Open
HW5	3/3/15 8:10	61.2	37.5	0.1	1.2	39.8	-1.04		31.78	-18.69	2nd Reading;Good;No Repair Needed
HW5	3/18/15 7:40	51.9	32.5	3.1	12.5	48.6	-2.22		26.28	-17.31	Good;No Change;No Repair Needed
HW5	4/2/15 7:47	40	24.9	6.8	28.3	54.5	-2.95	-1.93	26.69	-21.84	Good;No Repair Needed;Slightly Closed
HW5	4/2/15 7:48	40.1	26.9	6.5	26.5	54.4	-1.12		15.92	-22.53	2nd Reading;Good;No Repair Needed
HW5	4/2/15 10:34	55.6	34.8	1.1	8.5	56.6	-0.2		13.71	-23.18	Good;No Change;No Repair Needed
HW5	4/17/15 9:44	61	38	0	1	70.5	1.17	-0.05	16.75	-22.53	Good;No Repair Needed;Slightly Open
HW5	4/17/15 9:45	60.6	38.7	0	0.7	68.5	-0.32		19.92	-22.05	2nd Reading;Good;No Repair Needed
HW5	5/5/15 8:08	32.5	18.9	9.3	39.3	69	-3.34	-2.14	20.02	-26.97	Good;No Repair Needed;Slightly Closed
HW5	5/5/15 8:09	31.8	20.8	9.1	38.3	69	-1.16		11.27	-26.76	2nd Reading;Good;No Repair Needed
HW5	5/5/15 13:23	60.2	38	0	1.8	83.2	0.56	-0.19	10.45	-26.89	Good;No Repair Needed;Slightly Open
HW5	5/5/15 13:24	60	38.7	0	1.3	79.2	-0.81		15.56	-26.76	2nd Reading;Good;No Repair Needed
HW5	5/20/15 9:20	30.5	26.2	7.8	35.5	72.9	-2.46	-1.61	12.52	-26.63	Good;No Repair Needed;Slightly Closed
HW5	5/20/15 9:21	29.9	24.5	7.9	37.7	73.2	-0.65		7.44	-26.89	2nd Reading;Good;No Repair Needed
HW5	5/20/15 13:47	57.9	37.2	0.1	4.8	79.3	-0.01		10.46	-26.67	Good;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
HW5	6/1/15 9:22	35	26.9	5.6	32.5	72.7	-0.65	-0.58	8.89	-26.63	Good;No Repair Needed;Slightly Closed
HW5	6/1/15 9:23	34.7	25.5	5.6	34.2	72.4	-0.38		8.45	-26.93	2nd Reading;Good;No Repair Needed
HW5	6/16/15 9:20	50.8	35.4	1.5	12.3	86.8	-0.15		9.71	-22.1	Good;No Change;No Repair Needed
HW5	7/2/15 8:02	55.7	37.1	0.7	6.5	77.5	-0.05		6.27	-18.95	Good;No Change;No Repair Needed
HW5	7/27/15 9:38	54.1	36.1	1.1	8.7	83.5	-0.08		9.66	-19.34	Good;No Change;No Repair Needed
HW5	8/5/15 9:37	42.9	31.1	2.5	23.5	91.1	-0.33	-0.23	7.83	-31.03	Good;No Repair Needed;Slightly Closed
HW5	8/5/15 9:38	43	30.6	2.6	23.8	90.6	-0.01		9.19	-30.73	2nd Reading;Good;No Repair Needed
HW5	8/20/15 9:40	60.4	37.2	0	2.4	83.4	0.07	-0.12	8.82	-22.1	Good;No Repair Needed;Slightly Open
HW5	8/20/15 9:41	60.6	38.4	0	1	84	-0.34		10.42	-21.28	2nd Reading;Good;No Repair Needed
HW5	9/4/15 7:50	29.3	24	6.8	39.9	84.6	-0.48	-0.11	10.89	-31.55	Fair;No Repair Needed;Slightly Closed
HW5	9/4/15 7:51	29.2	22.9	7	40.9	84	-0.02		5.94	-31.16	2nd Reading;Good;No Repair Needed
HW5	9/17/15 9:54	60.2	38.6	0	1.2	84.2	0.08	-0.05	15.42	-30.34	Good;No Repair Needed;Slightly Open
HW5	9/17/15 9:56	60.6	39.3	0	0.1	82.8	-0.26		13.81	-31.12	2nd Reading;Good;No Repair Needed
HW5	10/1/15 10:05	59.9	39.6	0	0.5	69.3	0.41	-0.22	5.87	-30.13	Good;No Repair Needed;Slightly Open
HW5	10/1/15 10:06	59.7	39.7	0	0.6	71.8	-1.08		13.56	-32.11	2nd Reading;Good;No Repair Needed
HW5	10/16/15 8:58	34.5	25.5	7.2	32.8	68.4	-3.42	-2.89	10.42	-30.47	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	10/16/15 8:59	33.4	24.7	7.3	34.6	68.2	-1.99		11.96	-27.75	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	10/28/15 15:52	59.5	38.6	0	1.9	68.4	-0.31	-0.43	10.09	-30.21	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	10/28/15 15:53	59.8	38.7	0	1.5	68.4	-0.7		16.2	-30.04	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	11/3/15 8:28	55	34.2	1.2	9.6	63.9	-2.43	-2.63	7.88	-26.37	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	11/3/15 8:29	55.5	35.7	1.1	7.7	64.2	-3.24		17.2	-25.94	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	11/18/15 9:21	39.3	27.6	5.8	27.3	62.2	-4.26	-3.87	12.24	-27.02	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	11/18/15 9:21	39.4	27.1	5.8	27.7	61.9	-3.08		5.78	-26.33	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	11/18/15 10:31	53	36.5	1	9.5	66.6	-0.38		7.7	-31.81	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	12/4/15 8:51	59.9	36.9	0.1	3.1	52	-0.5	-0.56	5.82	-26.5	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	12/4/15 8:52	60.2	37.3	0	2.5	52.7	-0.83		8.23	-26.85	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW5	12/16/15 8:38	54.2	35.2	1.2	9.4	53.8	-2.2		9.61	-30.38	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW6	12/5/14 8:16	50.6	29.8	2.7	16.9	57	-0.05		12.79	-16.62	Good;No Change;No Repair Needed
HW6	12/18/14 8:20	42.2	31	5.2	21.6	49.6	-1.64	-1.59	6.41	-20.37	Good;No Repair Needed;Slightly Closed
HW6	12/18/14 8:21	43	29.3	5.3	22.4	49.4	-1.3		9.95	-20.54	2nd Reading;Good;No Repair Needed
HW6	12/18/14 11:52	60.3	36.7	0	3	50.5	0.46	-0.05	0	-19.77	Good;No Repair Needed;Slightly Open
HW6	12/18/14 11:53	60.9	37.1	0	2	54.8	-0.88		0	-19.55	2nd Reading;Good;No Repair Needed
HW6	1/8/15 8:47	51.3	32.8	2.6	13.3	42.4	-2.5		9.12	-24.13	Good;No Change;No Repair Needed
HW6	1/22/15 8:13	58.9	37.3	0.7	3.1	46.5	-5	-5.44	14.83	-25.55	Good;No Repair Needed;Slightly Open
HW6	1/22/15 8:14	59	37.4	0.6	3	48.7	-6.82		18.59	-25.59	2nd Reading;Good;No Repair Needed
HW6	2/3/15 8:26	58.7	36.7	0.6	4	44.5	-10.61	-10.96	14.06	-25.33	Good;No Repair Needed;Slightly Open
HW6	2/3/15 8:27	59.4	38.1	0.4	2.1	46.2	-12.34		21.89	-26.93	2nd Reading;Good;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
HW6	3/3/15 8:39	30.2	24.1	9.2	36.5	46.6	-0.63	-0.01	19.35	-18.34	Fair;No Repair Needed;Slightly Closed
HW6	3/3/15 8:40	30.7	22.4	9.6	37.3	45.9	-0.01		13.54	-17.95	2nd Reading;Good;No Repair Needed
HW6	3/18/15 8:15	62.9	35.8	0.5	0.8	46	-2.69	-2.89	14.64	-19.38	Good;No Repair Needed;Slightly Open
HW6	3/18/15 8:16	61.8	36.6	0.3	1.3	46.9	-3.78		20.03	-18.9	2nd Reading;Good;No Repair Needed
HW6	4/2/15 8:24	59.2	35.3	0.7	4.8	60.6	-10.61		14.15	-23.05	Good;No Change;No Repair Needed
HW6	4/17/15 10:33	62	36.4	0	1.6	71.8	-4.31	-4.97	21.06	-20.8	Good;No Repair Needed;Slightly Open
HW6	4/17/15 10:34	62	37.1	0	0.9	71.7	-7.51		22.49	-19.98	2nd Reading;Good;No Repair Needed
HW6	5/5/15 8:48	4.9	9.9	18.6	66.6	74.2	-27.26	-27.18	0	-27.36	Fair;No Repair Needed;Slightly Closed
HW6	5/5/15 8:49	7.8	4.5	18.5	69.2	74.5	-27.22		0	-26.63	2nd Reading;camera investigation;Fair;No Repair Needed
HW6	5/20/15 10:01	5.2	10.9	17.7	66.2	69.7	-26.83	-26.83	2.64	-27.02	camera investigation;Fair;No Repair Needed;Slightly Closed
HW6	5/20/15 10:02	5.1	5.6	18.6	70.7	72	-26.53		5.27	-26.28	2nd Reading;Fair;No Repair Needed
HW6	6/1/15 10:04	48.9	40.8	1	9.3	61.5	-0.24		4.54	-26.59	Good;No Change;No Repair Needed
HW6	6/16/15 10:05	50.1	29.1	3.6	17.2	89.9	-22.04		5.87	-21.97	Fair;No Change;No Repair Needed
HW6	7/2/15 8:46	14.2	10.3	15.9	59.6	72.6	-18.85	-18.9	7.6	-18.6	Fair;No Repair Needed;Slightly Closed;valve completely closed
HW6	7/2/15 8:47	21.6	13.4	13.3	51.7	71.2	-18.59		5.39	-19.34	2nd Reading;Fair;No Repair Needed;valve completely closed
HW6	7/15/15 9:38	8.6	3.9	17.2	70.3	75.5	-4.74	-4.74	7.16	-26.67	Fair;No Change;No Repair Needed;valve completely closed
HW6	7/15/15 9:40	25.3	16.2	11.3	47.2	75	-4.8		8.63	-26.63	2nd Reading;Fair;No Repair Needed;valve completely closed
HW6	7/27/15 10:38	56.9	33	1.2	8.9	83.1	1.82	-1.66	0	-19.34	Good;No Repair Needed;Slightly Open
HW6	7/27/15 10:39	56.1	34	1.8	8.1	82.8	-8.2		4.74	-19.34	2nd Reading;Good;No Repair Needed
HW6	8/5/15 10:18	18.3	16.3	12.7	52.7	91.9	-29.34	-29.42	3.63	-30.47	Fair;No Repair Needed;Slightly Closed;valve completely closed
HW6	8/5/15 10:19	11.1	8.8	16.2	63.9	92.5	-28.65		3.64	-30.47	2nd Reading;Fair;No Repair Needed
HW6	8/20/15 10:19	3.8	10.1	19.1	67	77.6	-14.58	-14.62	0	-20.8	Fair;No Change;No Repair Needed;valve completely closed
HW6	8/20/15 10:20	9.9	3.5	17.4	69.2	78.4	-14.58		6.04	-21.36	2nd Reading;Fair;No Repair Needed
HW6	9/4/15 8:54	4.2	5.9	19.3	70.6	80.6	-7.2	-7.2	5.73	-30.21	Fair;No Change;No Repair Needed;valve completely closed
HW6	9/4/15 8:55	20.2	8.5	13.8	57.5	81.1	-7.25		9.49	-30.82	2nd Reading;Fair;No Repair Needed
HW6	9/17/15 11:01	10.1	9	17.2	63.7	87.1	-5.48	-5.48	11.5	-30.69	Fair;No Change;No Repair Needed;valve completely closed
HW6	9/17/15 11:02	27.5	16.1	11	45.4	89.8	-5.52		12.2	-30.47	2nd Reading;Fair;No Repair Needed
HW6	10/1/15 11:16	8.6	5.2	18.7	67.5	56.5	-3.08	-3.07	6.47	-32.46	Fair;No Change;No Repair Needed;valve completely closed
HW6	10/1/15 11:17	22.8	13.9	12.8	50.5	55.9	-3.22		6.47	-31.12	2nd Reading;Fair;No Repair Needed
HW6	10/16/15 10:17	19.1	13.1	14.5	53.3	70.2	-2.93	-2.92	6.47	-27.71	Valve Comment:"valve completely closed ";Valve Adjustment:"No Change";Well Condition:"Fair";Well Repairs:"No Repair Needed"
HW6	10/16/15 10:18	24.7	16.5	11.7	47.1	72.5	-3.06		7.09	-26.24	Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair Needed"
HW6	11/3/15 9:44	19.8	15.4	14.5	50.3	69.1	-2.66	-2.65	7.88	-30.95	Valve Comment:"valve completely closed ";Valve Adjustment:"No Change";Well Condition:"Fair";Well Repairs:"No Repair Needed"
HW6	11/3/15 9:45	28.8	17.8	10.5	42.9	75	-2.79		9.33	-28.49	Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair Needed"
HW6	11/18/15 10:13	47.8	31.3	3.8	17.1	69.8	-0.11		6.51	-28.96	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW6	12/4/15 9:44	17.4	10.9	15.3	56.4	48.9	-8.63	-8.63	2.85	-27.88	Valve Comment:"valve completely closed ";Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"No Repair Needed"
HW6	12/4/15 9:46	26.2	17.2	11.7	44.9	48.9	-8.8		5.7	-26.76	Valve Comment:"valve completely closed ";Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair Needed"
HW6	12/16/15 9:27	51.3	33.6	2.6	12.5	58.3	-0.06		11.29	-26.07	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW7	12/5/14 7:58	57.6	41	0	1.4	78.2	-0.06		33.39	-15.93	Good;No Change;No Repair Needed
HW7	12/18/14 8:03	55.5	38.6	0	5.9	74.5	-0.2		29.88	-20.54	Good;No Change;No Repair Needed
HW7	1/8/15 8:23	54.1	32.9	1.1	11.9	69.4	-0.37		35.26	-24.21	Good;No Change;No Repair Needed
HW7	1/22/15 7:55	54.8	37.4	1	6.8	74.1	-0.48		49.15	-25.33	Good;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
HW7	2/3/15 8:07	60.2	38.9	0.1	0.8	69.4	-1.3	-1.97	74.84	-27.97	Good;No Repair Needed;Slightly Open
HW7	2/3/15 8:08	59.4	40.3	0	0.3	70	-1.26		72.98	-28.05	2nd Reading;Good;No Repair Needed
HW7	3/3/15 8:18	48.7	34.9	2.8	13.6	73.4	-0.77		56.55	-18.73	Good;No Change;No Repair Needed
HW7	3/18/15 7:50	43.9	29.3	4.8	22	64.9	-0.91	-0.36	52.74	-17.39	Fair;No Repair Needed;Slightly Closed
HW7	3/18/15 7:50	44.5	30.4	4.3	20.8	64.3	-0.31		32.35	-18.47	2nd Reading;Good;No Repair Needed
HW7	4/2/15 7:59	49.1	35.5	2.6	12.8	74.8	-0.51		39.91	-22.53	Good;No Change;No Repair Needed
HW7	4/17/15 10:02	60.5	37.4	0	2.1	76.8	-0.48	-0.74	37.4	-21.28	Good;No Repair Needed;Slightly Open
HW7	4/17/15 10:03	60.1	38.7	0	1.2	76.9	-0.77		35.31	-22.31	2nd Reading;Good;No Repair Needed
HW7	5/5/15 8:20	52.7	37	1.4	8.9	82.3	-2.59		46.01	-27.32	Good;No Change;No Repair Needed
HW7	5/20/15 9:29	49.9	35.5	2	12.6	92.9	-2.02		58.24	-26.59	Good;No Change;No Repair Needed
HW7	6/1/15 9:33	36.2	28.3	5.9	29.6	99.1	-1.17	-0.59	56.26	-26.28	Good;No Repair Needed;Slightly Closed
HW7	6/1/15 9:33	36.4	27	5.6	31	98.5	-0.45		44.31	-28.4	2nd Reading;Good;No Repair Needed
HW7	6/16/15 9:29	44.7	34.8	3	17.5	99	-0.48	-0.33	34.74	-21.45	Good;No Repair Needed;Slightly Closed
HW7	6/16/15 9:29	44.4	33.1	3	19.5	98.9	-0.27		18.64	-22.05	2nd Reading;Good;No Repair Needed
HW7	7/2/15 8:15	59.6	40	0	0.4	92.5	-0.13	-0.33	13.83	-26.59	Good;No Repair Needed;Slightly Open
HW7	7/2/15 8:16	59.7	40.3	0	0	92.8	-0.43		31.01	-23.74	2nd Reading;Good;No Repair Needed
HW7	7/27/15 9:49	48.7	36.2	1.9	13.2	100.6	-0.35		27.71	-19.72	Good;No Change;No Repair Needed
HW7	8/5/15 9:49	33.3	30.5	6	30.2	107.4	-0.65	-0.24	38.25	-30.6	Good;No Repair Needed;Slightly Closed
HW7	8/5/15 9:50	35.1	26.6	5.6	32.7	107	-0.19		25.01	-30.08	2nd Reading;Good;No Repair Needed
HW7	8/20/15 9:51	52.3	38.9	0.7	8.1	100.1	-0.1		25.47	-20.54	Good;No Change;No Repair Needed
HW7	9/4/15 8:01	40.4	31.4	4	24.2	105.3	-0.16	-0.08	26.86	-30.86	Good;No Repair Needed;Slightly Closed
HW7	9/4/15 8:01	40.3	31.1	4	24.6	105.1	-0.03		17.48	-30.56	2nd Reading;Good;No Repair Needed
HW7	9/17/15 10:09	57.6	39.6	0.1	2.7	98.2	-0.05	-0.12	23.85	-30.51	Good;No Repair Needed;Slightly Open
HW7	9/17/15 10:09	57.3	39.8	0.1	2.8	98.6	-0.17		28.54	-30.51	2nd Reading;Good;No Repair Needed
HW7	10/1/15 10:21	47.4	36	1.5	15.1	100.4	-0.17	-0.11	28.24	-30.43	Good;No Repair Needed;Slightly Closed
HW7	10/1/15 10:22	47.1	35.4	1.5	16	99.9	-0.09		18.43	-30.43	2nd Reading;Good;No Repair Needed
HW7	10/16/15 9:12	54.7	39.3	0.4	5.6	92.1	-0.02	-0.16	38	-26.37	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW7	11/3/15 8:41	55.4	38.8	0	5.8	91	-0.18	-0.44	28.45	-25.38	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW7	11/3/15 8:42	56	38.8	0	5.2	91.4	-0.32		35.47	-24.73	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW7	11/18/15 9:30	44.9	33.8	2.3	19	96.8	-0.42	-0.2	33.07	-31.81	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW7	11/18/15 9:31	44.6	33	2.4	20	96.1	-0.15		13.97	-31.46	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW7	12/4/15 9:03	60.2	38.9	0	0.9	82.2	-0.08	-0.31	22	-27.15	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW7	12/4/15 9:03	59.8	39.4	0	0.8	83.3	-0.58		38.61	-28.1	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW7	12/16/15 8:46	47.3	35.7	1.5	15.5	90.1	-0.94		34.03	-26.8	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW8	12/5/14 7:49	57.5	38.5	0.2	3.8	83.8	0.08	-0.09	32.76	-16.23	Good;No Repair Needed;Slightly Open
HW8	12/5/14 7:50	57.2	38.9	0	3.9	85.7	-0.1		26.98	-17.44	2nd Reading;Good;No Repair Needed
HW8	12/18/14 7:57	48.6	36.4	2.1	12.9	81.1	-0.18		22.17	-22.44	Good;No Change;No Repair Needed
HW8	1/8/15 8:10	44.4	34.2	3.6	17.8	79.7	-0.12	-0.02	30.13	-25.55	Good;No Repair Needed;Slightly Closed
HW8	1/8/15 8:11	43.6	32.5	3.8	20.1	78	-0.03		19.22	-25.46	2nd Reading;Good;No Repair Needed
HW8	1/22/15 7:49	53.6	36.4	1.1	8.9	75	-0.09		14.87	-26.24	Good;No Change;No Repair Needed
HW8	2/3/15 7:57	59.9	39.1	0.1	0.9	67	-0.02	-0.18	14.16	-27.67	Good;No Repair Needed;Slightly Open

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Flow (scfm)	System Pressure ("H2O)	Comments
HW8	2/3/15 7:58	59.2	40.2	0.1	0.5	68.2	-0.21		25.45	-28.36	2nd Reading;Good;No Repair Needed
HW8	3/3/15 8:12	53.2	36	1.2	9.6	73.4	-0.2		28.97	-19.72	Good;No Change;No Repair Needed
HW8	3/18/15 7:42	53.7	34.5	1.2	10.6	62.5	-0.13		28.37	-18.73	Good;No Change;No Repair Needed
HW8	4/2/15 7:51	40.8	28.5	4.3	26.4	82.3	-0.32	-0.07	25.11	-23.78	Good;No Repair Needed;Slightly Closed
HW8	4/2/15 7:52	40.5	29.6	4.2	25.7	81.5	-0.1		23.2	-22.53	2nd Reading;Good;No Repair Needed
HW8	4/17/15 9:52	59.7	38.6	0	1.7	77.5	-0.03	-0.32	22.78	-21.84	Good;No Repair Needed;Slightly Open
HW8	4/17/15 9:53	59.7	39	0	1.3	77.7	-0.33		30.43	-22.36	2nd Reading;Good;No Repair Needed
HW8	5/5/15 8:11	56.2	36.6	0.7	6.5	80	-1.37		47.24	-27.49	Good;No Change;No Repair Needed
HW8	5/20/15 9:23	51.7	32.7	1.3	14.3	89.5	-1.63		39.36	-27.45	Good;No Change;No Repair Needed
HW8	6/1/15 9:26	34.3	25.6	5.4	34.7	100.8	-0.94	-0.69	35.29	-27.97	Good;No Repair Needed;Slightly Closed
HW8	6/1/15 9:26	34.3	26.2	5.4	34.1	100	-0.49		27.71	-27.19	2nd Reading;Good;No Repair Needed
HW8	6/16/15 9:22	41.4	32.9	2.6	23.1	101.2	-0.3	-0.2	31.63	-23	Good;No Repair Needed;Slightly Closed
HW8	6/16/15 9:23	41.1	32.3	2.6	24	101.1	-0.19		25.29	-22.83	2nd Reading;Good;No Repair Needed
HW8	7/2/15 8:05	55.5	37.9	0	6.6	93.4	-0.07	-0.17	10.7	-19.51	Good;No Repair Needed;Slightly Open
HW8	7/2/15 8:06	55.5	38.8	0	5.7	93.8	-0.25		25.21	-18.99	2nd Reading;Good;No Repair Needed
HW8	7/27/15 9:41	44.2	34	1.5	20.3	100.5	-0.26		19.01	-20.5	Good;No Change;No Repair Needed
HW8	8/5/15 9:40	30.3	27	5.6	37.1	110.3	-0.27	-0.08	22.44	-31.68	Good;No Repair Needed;Slightly Closed
HW8	8/5/15 9:41	29.6	25.4	5.8	39.2	109.8	-0.07		16.34	-30.64	2nd Reading;Good;No Repair Needed
HW8	8/20/15 9:44	50.6	36.9	0.6	11.9	99.4	-0.02		13.47	-21.06	Good;No Change;No Repair Needed
HW8	9/4/15 7:53	41.8	31.2	2.2	24.8	100.9	-0.03		14.28	-31.2	Good;No Change;No Repair Needed
HW8	9/17/15 9:58	53.3	38.9	0.1	7.7	97.7	0.04	-0.01	12.7	-31.07	Good;No Repair Needed;Slightly Open
HW8	9/17/15 9:59	53.6	38.3	0.1	8	97.9	-0.03		14.86	-30.86	2nd Reading;Good;No Repair Needed
HW8	10/1/15 10:10	52.7	38.2	0.2	8.9	89.2	0.07	-0.11	24.59	-31.46	Good;No Repair Needed;Slightly Open
HW8	10/1/15 10:11	52.8	38.1	0.2	8.9	91.9	-0.16		29.28	-30.6	2nd Reading;Good;No Repair Needed
HW8	10/16/15 9:02	48.3	34.1	0.7	16.9	92.1	-0.01		0	-27.67	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW8	11/3/15 8:32	59.8	38.9	0	1.3	84.9	0.1	-0.02	13.48	-26.11	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW8	11/3/15 8:33	59.7	39.3	0	1	86.2	-0.15		21.09	-26.8	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW8	11/18/15 9:23	48.4	33.6	0.7	17.3	86.7	-0.09		16.99	-27.32	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW8	12/4/15 8:54	60	37.9	0	2.1	74.5	0.13	-0.08	4.12	-26.8	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW8	12/4/15 8:55	60.3	38.8	0	0.9	77.2	-0.41		40.86	-27.49	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW8	12/16/15 8:40	51.5	35.3	0.6	12.6	81	-0.47		23.65	-28.87	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW9	5/20/15 9:36	60.7	36.4	0.1	2.8	74.8	0.15	-0.03	9.74	-26.63	Good;No Repair Needed;Slightly Open
HW9	5/20/15 9:39	60.9	37	0	2.1	78.4	-0.03		29.39	-26.97	2nd Reading;Good;No Repair Needed
HW9	6/1/15 9:41	24	21	8.7	46.3	83.2	-0.02	-0.02	20.9	-17.22	Fair;No Change;No Repair Needed
HW9	6/1/15 9:42	24.3	18.6	8.6	48.5	83.8	-0.02		24.14	-17.35	2nd Reading;Fair;No Repair Needed
HW9	6/16/15 9:38	29.3	22.2	6.9	41.6	94.4	-0.08	-0.03	24.85	-22.27	Good;No Repair Needed;Slightly Closed
HW9	6/16/15 9:39	29	22	7	42	94.3	-0.01		16.57	-22.44	2nd Reading;Good;No Repair Needed
HW9	7/2/15 8:25	31.7	23.4	6.3	38.6	92.8	-0.02	-0.02	18.4	-19.34	Fair;No Change;No Repair Needed
HW9	7/2/15 8:26	31.6	23.3	6.4	38.7	93.1	-0.02		20.06	-18.17	2nd Reading;Fair;No Repair Needed
HW9	7/15/15 9:30	50	33.9	2.2	13.9	90.7	-0.06		21.03	-27.1	Good;No Change;No Repair Needed
HW9	7/27/15 9:59	31.5	23.4	5.9	39.2	95.8	-0.04	-0.02	23.24	-19.08	Fair;No Repair Needed;Slightly Closed
HW9	7/27/15 10:00	31.8	23.2	6	39	95.8	-0.02		27.16	-19.64	2nd Reading;Fair;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
HW9	8/5/15 9:56	13.5	14.9	12.4	59.2	99.6	-0.11	-0.04	25.92	-31.46	Fair;No Repair Needed;Slightly Closed
HW9	8/5/15 9:57	13.2	10.4	12.9	63.5	99.6	-0.03		20.01	-31.51	2nd Reading;Fair;No Repair Needed
HW9	8/20/15 9:59	10.1	13	14.2	62.7	100.3	-0.01	0.09	21.97	-30.73	Fair;No Repair Needed;Slightly Closed
HW9	8/20/15 10:00	9.9	8.5	14.7	66.9	98.9	0.11	0.11	7.78	-30.82	Fair;No Change;No Repair Needed;valve completely closed
HW9	8/20/15 10:01	10.1	7.9	14.7	67.3	97.9	0.1		8.26	-30.51	2nd Reading;Fair;No Repair Needed;valve completely closed;variance
HW9	9/4/15 8:11	11.2	13.2	13.7	61.9	95.5	0.12	0.12	9.67	-28.74	Fair;No Change;No Repair Needed
HW9	9/4/15 8:12	10.9	9.1	14.1	65.9	95	0.12		5.83	-31.16	2nd Reading;Fair;No Repair Needed
HW9	9/17/15 10:17	31.4	24.4	5.3	38.9	87.4	0.13	0.13	10.91	-30.82	Fair;No Change;No Repair Needed
HW9	9/17/15 10:18	31.8	23.6	5.3	39.3	88	0.13		11.66	-30.73	2nd Reading;Fair;No Repair Needed
HW9	10/1/15 10:35	37.8	29.2	4.3	28.7	64.2	0.21	-0.02	0	-30.77	Fair;No Repair Needed;Slightly Open
HW9	10/1/15 10:36	33.2	23	6.1	37.7	89.6	-0.05	0.17	0	-30.21	Fair;No Repair Needed;Slightly Closed
HW9	10/1/15 10:37	28.7	21.2	7.4	42.7	85.8	0.17	0.2	0	-31.12	Fair;No Change;No Repair Needed
HW9	10/1/15 10:37	26.2	19	7.8	47	80.8	0.19		0	-30.43	2nd Reading;Fair;No Repair Needed
HW9	10/16/15 9:24	51.4	35.9	1.3	11.4	74.8	0.19	-0.03	0	-25.77	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:""
HW9	10/16/15 9:26	37.6	26	5.6	30.8	85.8	-0.02	0.16	0	-25.25	Valve Adjustment:"Slightly Closed";Well Condition:"Poor";Well Repairs:"No Repair Needed"
HW9	10/16/15 9:27	34.8	24.3	6.5	34.4	84.2	0.16	0.17	0	-24.38	Valve Adjustment:"No Change";Well Condition:"Poor";Well Repairs:"No Repair Needed"
HW9	10/16/15 9:28	35.2	23.7	6.4	34.7	81.5	0.17		0	-27.54	Valve Adjustment:"2nd Reading";Well Condition:"Poor";Well Repairs:"No Repair Needed"
HW9	11/3/15 8:48	58.8	37.8	0	3.4	74.7	0.15	-0.01	6.77	-33.36	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW9	11/3/15 8:49	61	39	0	0	80.8	-0.04		39.68	-30.43	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW9	11/18/15 9:40	50.7	34.7	1.4	13.2	77	0.12	-0.02	0	-26.03	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW9	11/18/15 9:40	49	32.7	2	16.3	78.8	-0.04		21.01	-25.94	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
HW9	12/4/15 9:12	44.8	27.5	4.5	23.2	74.5	-0.02		11.51	-30.64	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW1	12/5/14 8:04	55.3	36.6	0.5	7.6	58.8	-12.21		27.69	-16.62	13506;Good;No Change;No Repair Needed
PW1	1/8/15 8:29	37	26.2	8	28.8	6.9	-0.86	-0.76	6.71	-24.04	13508;Fair;Pump Maintenance Required;Slightly Closed
PW1	1/8/15 8:30	37	26	7.9	29.1	6.9	-0.88		12.01	-24.43	2nd Reading;Fair;Pump Maintenance Required
PW1	1/22/15 7:59	48.3	29.9	4.4	17.4	39.9	-20.97		12.64	-26.24	13510;Fair;No Change;Pump Maintenance Required
PW1	2/3/15 8:12	51.1	32.4	3	13.5	30.4	-1.32		9.25	-26.59	13510;Fair;No Change;Pump Maintenance Required
PW1	3/3/15 8:25	61	38.2	0	0.8	78.4	72.91	-0.18	0	-18.64	25170;Good;No Repair Needed;Slightly Open
PW1	3/3/15 8:26	58.8	40	0	1.2	102.3	-3.03		23.46	-16.92	2nd Reading;Good;No Repair Needed
PW1	3/18/15 7:55	61.5	38.5	0	0	72.9	57.68	-3.76	0	-18.56	27057;Good;No Repair Needed;Slightly Open
PW1	3/18/15 7:56	59.2	39.4	0.1	1.3	100.2	-11.35		30.57	-18.69	2nd Reading;Good;No Repair Needed
PW1	4/2/15 8:06	12.9	11.9	15.2	60	66.5	-23.47	-23.04	22.66	-23.48	27866;Fair;Pump Maintenance Required;Slightly Closed
PW1	4/2/15 8:07	22.4	19.2	13.1	45.3	65.1	-21.83		12.31	-23.18	2nd Reading;Fair;Pump Maintenance Required
PW1	4/2/15 10:41	44.9	28.6	4.7	21.8	73.6	-22.48		19.18	-22.87	Fair;force main restricted;No Change;No Repair Needed
PW1	4/17/15 10:09	61.4	38.3	0	0.3	90.7	42.88	-19.59	18.87	-20.5	32348;Good;No Repair Needed;Slightly Open
PW1	4/17/15 10:11	15.2	16.6	14.6	53.6	88.2	-18.21	-14.11	45.96	-20.2	Fair;Pump Maintenance Required;Slightly Closed
PW1	4/17/15 10:18	38.1	27	4.2	30.7	92.1	-2.63		37.39	-20.5	Fair;got pump cycling;No Change;No Repair Needed
PW1	5/5/15 8:35	53.4	31	1.5	14.1	96.1	-26.53		51.31	-26.93	38690;Good;No Change;No Repair Needed
PW1	5/20/15 9:33	60.7	36.7	0.7	1.9	96.2	-26.57		21.26	-26.24	44690;Good;No Change;No Repair Needed
PW1	6/1/15 9:39	57.7	32.9	0.6	8.8	81.9	-17.13		12.83	-16.92	44690;Good;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
PW1	6/16/15 9:35	52.2	35.4	1.8	10.6	100.4	-19.28		47.9	-22.1	52359;Good;No Change;No Repair Needed
PW1	7/2/15 8:21	61	39	0	0	95.1	33.22	-0.59	18.87	-18.99	52420;Good;No Repair Needed;Slightly Open
PW1	7/2/15 8:22	59.2	39.6	1.2	0	101.3	-2.43		64.73	-18.64	2nd Reading;Good;No Repair Needed
PW1	7/27/15 9:55	57.7	37.6	0	4.7	97.3	-11.65	-19.24	37.93	-19.34	52422;Good;No Repair Needed;Slightly Open
PW1	7/27/15 9:57	48.1	30.9	4	17	95	-15.44		22.38	-19.51	2nd Reading;Fair;No Repair Needed
PW1	8/5/15 9:54	57.1	36	0.2	6.7	96.2	-21.74		29.42	-30.47	52422;Good;No Change;No Repair Needed
PW1	8/20/15 9:56	59.3	39.9	0	0.8	105.6	15.96	-2.86	23.76	-28.74	60396;Good;No Repair Needed;Slightly Open
PW1	8/20/15 9:56	57.7	41.2	0.1	1	106.7	-10.27		42.1	-30.25	2nd Reading;Good;No Repair Needed
PW1	9/4/15 8:08	61	32.5	0.3	6.2	98.8	12.25	-4.44	28	-25.64	60396;Good;No Repair Needed;Slightly Open
PW1	9/4/15 8:09	59.3	39.2	0.5	1	102.4	-16.48		21.12	-26.15	2nd Reading;Good;No Repair Needed
PW1	9/17/15 10:15	60.2	38.8	0.1	0.9	99.7	-3.43		33.75	-30.51	60396;Good;No Change;No Repair Needed
PW1	10/1/15 10:31	59.1	38	0.1	2.8	83.7	5.52	-0.5	44.6	-31.46	62690;Fair;Pump Maintenance Required;Slightly Open
PW1	10/1/15 10:32	59.6	40	0.1	0.3	85.5	1.08		20.45	-30.25	2nd Reading;Fair;Pump Maintenance Required
PW1	10/1/15 16:14	54.6	34.7	1.5	9.2	79	-4.89		34.46	-31.03	2nd Reading;Good;No Repair Needed
PW1	10/16/15 9:20	55.1	38.1	1.8	5	88.9	-8.89		32.88	-25.81	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW1	11/3/15 8:45	56.7	33.2	0.8	9.3	77.5	-7.55		23.83	-25.21	Valve Comment:"62690";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW1	11/18/15 9:35	53.6	34.2	1.7	10.5	75.4	-9.49		25.78	-32.54	Valve Comment:"62690";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW1	12/4/15 9:10	35.6	22.5	8.7	33.2	55.4	-13.55	-12.51	5.64	-25.77	Valve Comment:"62691";Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"
PW1	12/4/15 9:10	31.7	22.1	12	34.2	55.6	-11.73		2.83	-25.98	Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"
PW1	12/16/15 8:55	26.7	19.5	11.9	41.9	55.8	-9.49	-10.18	0	-27.1	Valve Comment:"62693";Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"
PW1	12/16/15 8:56	26.1	17.2	11.1	45.6	56.3	-9.19		0	-26.33	Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair Needed"
PW1	12/16/15 11:39	44.2	33.5	4.1	18.2	93.9	13.2	-3.32	34.01	-25.77	Valve Comment:"62829";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW1	12/16/15 11:40	44.8	32.4	3.8	19	100.9	-2.88		45.02	-26.03	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW2	12/5/14 7:55	56	38.3	0	5.7	104.5	-5.91	-7.72	48.39	-14.89	Good;No Repair Needed;Slightly Open
PW2	12/5/14 7:56	57.5	40.5	0	2	104.5	-8.2		48.12	-15.11	2nd Reading;Good;No Repair Needed
PW2	12/18/14 8:01	56.4	35.2	0.4	8	83.2	-20.36		25.84	-21.1	20067;Good;No Change;No Repair Needed
PW2	1/8/15 8:18	56.5	33.9	0.5	9.1	66.7	-24.12		37.42	-24.34	20067;Good;No Change;No Repair Needed
PW2	1/22/15 7:53	57.9	34.8	0.4	6.9	74.6	-25.5		37.01	-25.55	Fair;No Change;Pump Maintenance Required
PW2	2/3/15 8:04	59.5	39.2	0.1	1.2	71	-27.57		29.42	-26.28	20069;Fair;No Change;Pump Maintenance Required;surging
PW2	3/3/15 8:16	58.6	36.7	0.2	4.5	65.6	-19.15		52.07	-18.13	20119;Good;No Change;No Repair Needed
PW2	3/18/15 7:46	57.6	36	0.5	5.9	81.7	-16.78		28.48	-17.44	20700;Good;No Change;No Repair Needed
PW2	4/2/15 7:57	60.1	38.9	0.1	0.9	92.8	-3.91		0	-23.13	23417;Fair;No Change;No Repair Needed;remote restricted
PW2	4/17/15 9:59	59	39.9	0	1.1	107.9	-4.75		0	-21.15	42302;Fair;No Change;No Repair Needed;remote restricted
PW2	5/5/15 8:18	59.1	38.6	0.1	2.2	107.9	-7.98		53.97	-27.23	50415;Good;No Change;No Repair Needed;surging
PW2	5/20/15 9:27	57.3	36.4	0.5	5.8	94.8	-23.3		21.78	-26.76	Good;No Change;No Repair Needed
PW2	6/1/15 9:31	56.1	35.7	0.6	7.6	86.8	-25.19		25.7	-26.59	55176;Good;No Change;No Repair Needed;surging
PW2	6/16/15 9:27	56.8	38.9	0	4.3	111.8	-7.59		55.72	-22.49	Good;No Change;No Repair Needed;surging
PW2	7/2/15 8:11	59.4	39.8	0	0.8	106.3	-9.58	-20.28	36	-22.49	111414;Fair;No Repair Needed;Slightly Open;surging
PW2	7/2/15 8:12	58.7	40.3	0.2	0.8	106.4	-19.15		53.87	-26.28	2nd Reading;Fair;No Repair Needed
PW2	7/27/15 9:47	57.9	39.6	0.2	2.3	110.4	-17.86		35.03	-18.69	154692;Fair;No Change;No Repair Needed;remote restricted

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
PW2	8/5/15 9:47	57.1	35.9	0.2	6.8	109.9	-26.92		27.99	-30.6	163674;Fair;No Change;No Repair Needed;surging
PW2	8/20/15 9:49	56.8	38.9	0.1	4.2	110.4	-18.9		31.05	-20.89	Fair;No Change;No Repair Needed;surging
PW2	9/4/15 7:59	57.9	34.4	0.3	7.4	115.9	-29.94		11.77	-30.47	191139;Fair;No Change;No Repair Needed;surging
PW2	9/17/15 10:06	58.8	39.7	0	1.5	115.2	-30.03		14.03	-30.82	Good;No Change;No Repair Needed
PW2	10/1/15 10:18	58.9	39.4	0.1	1.6	110.5	-29.34		35.48	-31.07	261830;Fair;No Change;No Repair Needed;surging
PW2	10/16/15 9:09	58.3	38.3	0	3.4	114.6	-15.83		17.72	-26.15	Valve Comment:"273773";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW2	11/3/15 8:38	58.4	38.5	0	3.1	116.2	-14.8	-17.21	21.09	-25.72	Valve Comment:"285658";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW2	11/3/15 8:39	58.7	39.7	0	1.6	117	-19.46		23.29	-25.38	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW2	11/18/15 9:27	57.4	37.1	0	5.5	114.3	-19.33	-21.05	22.39	-26.33	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW2	11/18/15 9:28	58.8	39.3	0	1.9	114.6	-21.79		24.21	-25.94	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW2	12/4/15 9:01	59.4	38.5	0	2.1	109.9	-23.81		20.54	-26.59	Valve Comment:"305804";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
PW2	12/16/15 8:44	59.9	37.5	0	2.6	111.9	-22.74		20.41	-25.77	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y01	12/5/14 11:47	58.9	35.3	0	5.8	103	-13.24	-13.63	17.59	-18	Good;No Repair Needed;Slightly Open
Y01	12/5/14 11:48	61.5	36.2	0	2.3	104.1	-14.41		21.78	-17.61	2nd Reading;Good;No Repair Needed
Y01	12/18/14 11:42	59.1	36.3	0	4.6	103	-17.08		5.25	-19.34	Good;No Change;No Repair Needed
Y01	1/22/15 12:22	44.6	33.9	0	21.5	101.5	-19.63	-18.59	16.52	-22.53	Good;No Repair Needed;Slightly Closed
Y01	1/22/15 12:23	40.7	33.7	0	25.6	99.5	-17.17		12.35	-22.1	2nd Reading;Good;No Repair Needed
Y01	2/3/15 12:37	44.5	34.6	0	20.9	98.7	-14.5	-14.11	12.72	-24.86	Good;No Repair Needed;Slightly Closed
Y01	2/3/15 12:37	44.4	33.5	0	22.1	97.7	-13.59		11.6	-24.9	2nd Reading;Good;No Repair Needed
Y01	3/3/15 12:09	59.8	35.6	0	4.6	92.3	-6.56	-7.25	0	-13.81	Good;No Repair Needed;Slightly Open
Y01	3/3/15 12:09	60.1	35.6	0	4.3	94.2	-7.55		0	-13.47	2nd Reading;Good;No Repair Needed
Y01	3/18/15 11:38	61.7	35.4	0.2	2.7	91.7	-13.24		6.56	-17.26	Good;No Change;No Repair Needed
Y01	4/2/15 11:51	59.5	35.1	0.2	5.2	94.6	-15.44	-17.13	11.58	-20.63	Good;No Repair Needed;Slightly Open
Y01	4/2/15 11:52	59.5	35	0.2	5.3	96.3	-17.56		13.19	-21.06	2nd Reading;Good;No Repair Needed
Y01	4/17/15 13:25	52.4	34.1	0	13.5	91.1	-17.17		18.38	-17.57	Good;No Change;No Repair Needed
Y01	5/5/15 13:11	47.2	32.7	0.1	20	92.7	-23.47	-22.22	15.2	-24.6	Good;No Repair Needed;Slightly Closed
Y01	5/5/15 13:12	48.1	32.1	0	19.8	91.9	-20.36		10.52	-24.9	2nd Reading;Good;No Repair Needed
Y01	5/20/15 13:36	50.9	32.7	0.1	16.3	91.7	-19.59		7.45	-24.3	Good;No Change;No Repair Needed
Y01	6/1/15 13:11	46.7	31.8	0	21.5	92.1	-19.33	-18.94	10.55	-25.59	Good;No Repair Needed;Slightly Closed
Y01	6/1/15 13:12	46.7	31.4	0	21.9	92	-18.29		10.24	-25.59	2nd Reading;Good;No Repair Needed
Y01	6/16/15 13:46	55.3	33.8	0	10.9	94.8	-13.11	-13.5	8.02	-18.99	Good;No Repair Needed;Slightly Open
Y01	6/16/15 13:47	55.4	33.9	0	10.7	95.2	-14.15		9.97	-18.95	2nd Reading;Good;No Repair Needed
Y01	7/2/15 13:18	53.7	34.2	0	12.1	92.5	-13.03		0	-12.82	Good;No Change;No Repair Needed
Y01	7/27/15 15:01	61.4	35	0	3.6	91.9	-21.18		9.09	-25.12	Good;No Change;No Repair Needed
Y01	8/5/15 14:06	54.6	36.5	0.1	8.8	93.8	-24.2		14.24	-28.66	Good;No Change;No Repair Needed
Y01	8/20/15 13:58	48.9	34.3	0.1	16.7	93.6	-18.55		11.8	-15.84	Good;No Change;No Repair Needed
Y01	9/4/15 12:14	40.1	32.4	0	27.5	95.9	-22.35	-20.62	14.05	-27.02	Good;No Repair Needed;Slightly Closed
Y01	9/4/15 12:15	40.2	32.4	0	27.4	95.4	-18.21		5.57	-27.62	2nd Reading;Good;No Repair Needed
Y01	9/17/15 13:58	44.7	34.1	0.2	21	92.3	-16.44	-16.09	11.19	-27.97	Good;No Repair Needed;Slightly Closed
Y01	9/17/15 13:58	45.4	33.6	0.2	20.8	91.8	-15.75		7.93	-28.01	2nd Reading;Good;No Repair Needed
Y01	10/1/15 15:24	46.2	33.3	0	20.5	86	-15.14	-14.8	6.87	-34.74	Good;No Repair Needed;Slightly Open
Y01	10/1/15 15:25	46.2	33	0	20.8	86	-14.45		5.62	-28.57	2nd Reading;Good;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y01	10/16/15 14:11	51.4	35.1	0	13.5	84.4	-13.29		6.85	-33.49	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y01	11/3/15 11:32	50.6	32.4	0	17	84.2	-12.04		10.35	-23.39	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y01	11/18/15 11:16	51.4	33	0	15.6	81.7	-12.04		8	-25.98	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y01	12/4/15 13:34	48	32	0.1	19.9	78.1	-13.55		6.9	-28.87	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y01	12/16/15 13:42	58.2	33.5	0	8.3	72	-9.97	-10.31	6.96	-28.4	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y01	12/16/15 13:43	58.7	33.5	0	7.8	72.5	-11		6.95	-27.75	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y02	12/5/14 11:50	60.9	36.4	0	2.7	100.8	-1.5	-1.75	10.94	-16.23	Good;No Repair Needed;Slightly Open
Y02	12/5/14 11:51	60.7	37.8	0	1.5	104	-2.5		11.86	-17.87	2nd Reading;Good;No Repair Needed
Y02	12/18/14 11:45	57.8	36.5	0.1	5.6	105.4	-5.48		37.09	-17.57	Good;No Change;No Repair Needed
Y02	1/22/15 12:27	56.8	37.9	0	5.3	103.7	-8.28	-8.93	12.68	-19.38	Good;No Repair Needed;Slightly Open
Y02	1/22/15 12:28	56.8	38	0	5.2	105.2	-9.62		26.16	-29.31	2nd Reading;Good;No Repair Needed
Y02	2/3/15 12:40	51	34.8	0	14.2	105.9	-11.65		17.61	-27.67	Good;No Change;No Repair Needed
Y02	3/3/15 12:12	62	35.7	0	2.3	100.8	-6.17	-6.51	37.38	-13.9	Good;No Repair Needed;Slightly Open
Y02	3/3/15 12:13	62.5	36.1	0	1.4	102.3	-7.2		0	-13.77	2nd Reading;Good;No Repair Needed
Y02	3/18/15 11:41	61.3	35	0.2	3.5	101.9	-11.3		16.66	-16.79	Good;No Change;No Repair Needed
Y02	4/2/15 11:55	57.9	35.3	0.2	6.6	102.1	-12.68	-14.19	10.63	-19.9	Good;No Repair Needed;Slightly Open
Y02	4/2/15 11:56	57.4	34.8	0.2	7.6	103	-15.49		19.01	-19.64	2nd Reading;Good;No Repair Needed
Y02	4/17/15 13:27	55.8	33.4	0	10.8	103.2	-15.4		12.64	-17.57	Good;No Change;No Repair Needed
Y02	5/5/15 13:15	53.5	32.6	0.1	13.8	106.2	-19.72		18.93	-24.04	Good;No Change;No Repair Needed
Y02	5/20/15 13:38	54.3	32.8	0.1	12.8	107	-19.24	-19.63	19.12	-23.95	Good;No Repair Needed;Slightly Open
Y02	5/20/15 13:39	55	34.1	0.1	10.8	107.1	-19.93		19.61	-22.53	2nd Reading;Good;No Repair Needed
Y02	6/1/15 13:14	54.3	33.1	0	12.6	106.8	-20.49		21.55	-23.22	Good;No Change;No Repair Needed
Y02	6/16/15 13:50	54.1	34.4	0	11.5	108.1	-16.09		20.3	-18.73	Good;No Change;No Repair Needed
Y02	7/2/15 13:20	55.7	34.4	0	9.9	105.2	-14.19		14.93	-16.27	Good;No Change;No Repair Needed
Y02	7/27/15 15:03	58.7	35.2	0.1	6	107.7	-16.82		15.26	-18.26	Good;No Change;No Repair Needed
Y02	8/5/15 14:08	55.3	36.4	0.1	8.2	108.3	-23.99		32.58	-30.21	Good;No Change;No Repair Needed
Y02	8/20/15 14:01	55	35.2	0.1	9.7	107.6	-18.16	-18.21	18.81	-20.63	Good;No Repair Needed;Slightly Open
Y02	8/20/15 14:02	54.9	35.8	0.1	9.2	107.8	-18.51		20.35	-20.33	2nd Reading;Good;No Repair Needed
Y02	9/4/15 12:17	51.8	34.4	0.1	13.7	110.1	-23.51		26.06	-28.4	Good;No Change;No Repair Needed
Y02	9/17/15 14:01	51.4	34.5	0.2	13.9	109.9	-23.94		25.3	-26.89	Good;No Change;No Repair Needed
Y02	10/1/15 15:17	51.7	35.7	0	12.6	109.6	-24.12		34.91	-27.19	Good;No Change;No Repair Needed
Y02	10/16/15 14:16	51.3	35.2	0	13.5	110.1	-23.47		38.45	-27.71	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y02	11/3/15 11:34	50.5	38	0.5	11	106.5	-20.9		40.82	-27.3	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y02	11/18/15 11:18	52.2	33.3	0.1	14.4	108.7	-21.01	-21.4	34.2	-26.15	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y02	11/18/15 11:19	52.3	33.8	0	13.9	109.2	-23.47		37.06	-27.71	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y02	12/4/15 13:32	51	34.3	0.1	14.6	108.9	-24.94		33.61	-33.06	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y02	12/16/15 13:40	52.5	35.9	0	11.6	108.7	-20.75		25.51	-22.92	Valve Comment:"surging ";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y03	12/5/14 9:08	62	35.7	0	2.3	95.5	-16.35		15.91	-16.83	Good;No Change;No Repair Needed
Y03	12/18/14 9:06	61.7	35.9	0	2.4	87.9	-18.81		18.44	-19.34	Good;No Change;No Repair Needed
Y03	1/8/15 9:39	59.6	34.9	0.4	5.1	59.6	-2.99		28.1	-1.38	Fair;No Change;No Repair Needed
Y03	1/22/15 9:04	60.7	36.7	0	2.6	96.7	-24.76		17.98	-25.33	Good;No Change;No Repair Needed
Y03	2/3/15 9:22	57.6	35.9	0	6.5	87.1	-25.84		11.9	-26.63	Good;No Change;No Repair Needed
Y03	3/3/15 9:31	61.9	35.5	0	2.6	88.4	-16.78		18.83	-17.52	Good;No Change;No Repair Needed
Y03	3/18/15 9:07	61.8	35.7	0.3	2.2	88.6	-17.43		11.73	-18.26	Good;No Change;No Repair Needed
Y03	4/2/15 9:18	61.8	33.5	0.5	4.2	96.9	-21.31		28.04	-23.22	Good;No Change;No Repair Needed
Y03	4/17/15 11:57	62.1	35.8	0.1	2	96.9	-19.97		12.67	-20.41	Good;No Change;No Repair Needed
Y03	5/5/15 9:30	62.2	34.3	0	3.5	103.6	-23.77		24.8	-25.03	Good;No Change;No Repair Needed
Y03	5/20/15 12:00	59.3	34.4	0.3	6	102.6	-25.54		21.95	-27.32	Good;No Change;No Repair Needed
Y03	6/1/15 11:46	57.9	34.7	0.1	7.3	95.4	-24.46		19.53	-25.21	Good;No Change;No Repair Needed
Y03	6/16/15 12:10	56.9	36.6	0	6.5	105	-19.33		16.5	-19.34	Good;No Change;No Repair Needed
Y03	7/2/15 10:30	61.6	37.9	0	0.5	100	-17.52		24.04	-17.78	Good;No Change;No Repair Needed
Y03	7/27/15 12:14	60.3	36.1	0.1	3.5	100.7	-18.21		15.18	-19.34	Good;No Change;No Repair Needed
Y03	8/5/15 12:34	59	37	0.1	3.9	103.7	-27.52		11.69	-28.66	Good;No Change;No Repair Needed
Y03	8/20/15 12:26	56.7	35.6	0.1	7.6	101.7	-25.75		14.16	-27.23	Good;No Change;No Repair Needed
Y03	9/4/15 9:26	51.6	35.3	0.2	12.9	102.6	-26.19		22.43	-26.67	Good;No Change;No Repair Needed
Y03	9/17/15 12:12	56.4	35.2	0	8.4	105.4	-26.79		10.91	-28.18	Good;No Change;No Repair Needed
Y03	10/1/15 12:48	55	36.1	0	8.9	93.7	-28.26		13.91	-29.91	Good;No Change;No Repair Needed
Y03	10/16/15 11:53	56.1	31.4	0.1	12.4	100.9	-28.04		3.54	-29.31	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y03	11/3/15 10:26	57.1	35.9	0	7	100.2	-23.43		16.59	-24.08	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y03	11/18/15 10:38	54.5	35.4	0	10.1	99.7	-28.26		12.71	-30.69	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y03	12/4/15 12:01	55.1	35.7	0.3	8.9	98.6	-28.65		11.74	-30.17	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y03	12/16/15 9:57	54.8	34.6	0	10.6	100.4	-24.16		14.12	-25.85	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y04	12/5/14 11:55	0.5	1.5	20.6	77.4	50.5	-4.73	-4.73	0	-16.57	295052;Fair;No Repair Needed;Slightly Closed;valve completely closed
Y04	12/5/14 11:56	0.8	0.9	20.5	77.8	49.6	-4.74	-4.74	0	-16.57	2nd Reading;decommission reading;Fair;No Repair Needed;valve completely closed
Y12	12/5/14 9:17	57.7	37	0	5.3	92.5	-13.72		0	-15.54	Good;No Change;No Repair Needed
Y12	12/18/14 9:15	56.7	37.9	0.4	5	88.4	-17.04		0	-19.34	Good;No Change;No Repair Needed
Y12	1/22/15 9:19	54.6	37.7	0.3	7.4	91.5	-22.48		0	-24.86	Good;No Change;No Repair Needed
Y12	2/3/15 9:37	58.7	37.7	0.4	3.2	90.7	-23.04	-24.07	0	-25.9	Good;No Repair Needed;Slightly Open
Y12	2/3/15 9:38	58.7	37.8	0.4	3.1	91.3	-23.81		0	-24.9	2nd Reading;Good;No Repair Needed
Y12	3/3/15 9:41	53.8	36	0.4	9.8	79.5	-16.09		0	-16.88	Good;No Change;No Repair Needed
Y12	3/18/15 9:19	58.7	36.3	1	4	80.7	-16.78		0	-17.22	Fair;No Change;No Repair Needed
Y12	4/2/15 9:28	50.3	29.9	1.4	18.4	88	-19.24		0	-19.12	Good;No Change;No Repair Needed
Y12	4/17/15 12:08	60.2	36.6	0.4	2.8	94.4	-19.28		0	-19.98	Fair;No Change;No Repair Needed
Y12	5/5/15 9:43	54.4	36.4	0.1	9.1	95	-24.55		0	-25.55	Good;No Change;No Repair Needed
Y12	5/20/15 12:11	54.8	36.9	0.2	8.1	96.5	-24.2		0	-25.25	Good;No Change;No Repair Needed
Y12	6/1/15 11:56	50.4	35.6	0.2	13.8	95.2	-22.78		0	-23.13	Good;No Change;No Repair Needed
Y12	6/16/15 12:19	50.2	34.8	0.1	14.9	100.2	-18.29		0	-18.86	Good;No Change;No Repair Needed
Y12	7/2/15 10:41	55.8	37	0	7.2	95.4	-16.44		0	-16.66	Good;No Change;No Repair Needed
Y12	7/27/15 12:27	57.8	37.7	0.2	4.3	95.2	-17.17		0	-17.7	Fair;No Change;No Repair Needed
Y12	8/5/15 12:45	53.3	38.1	0.2	8.4	98.5	-27.09		0	-27.97	Good;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Flow (scfm)	System Pressure ("H2O)	Comments
Y12	8/20/15 12:35	51.3	37.1	0.2	11.4	98.3	-22.52		0	-23.87	Good;No Change;No Repair Needed
Y12	9/4/15 9:38	51.5	36	0.4	12.1	100.2	-25.5		0	-26.37	Good;No Change;No Repair Needed
Y12	9/17/15 12:22	52.3	36.4	0.2	11.1	101.1	-24.25		0	-25.16	Good;No Change;No Repair Needed
Y12	10/1/15 12:52	43.7	32.2	1.9	22.2	64.4	-5.48	-5.48	4.98	-29.61	Good;No Repair Needed;Slightly Closed;well influence
Y12	10/1/15 13:06	50.4	36.3	0	13.3	97.7	-27.22		0	-28.92	Good;No Change;No Repair Needed
Y12	10/16/15 12:10	52.8	36.1	0	11.1	98.4	-26.14		0	-28.61	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y12	11/3/15 10:38	50.4	34.4	0.1	15.1	99	-26.23		0	-28.83	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y12	11/18/15 10:47	49.8	35.1	0.2	14.9	98.1	-26.88		0	-30.51	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y12	12/4/15 12:13	51.6	34.9	0.4	13.1	96.3	-27.22		0	-29.43	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y12	12/16/15 10:07	52.8	36.5	0.2	10.5	95.7	-23.47		0	-25.38	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y16	12/5/14 9:48	56.6	34.9	0	8.5	99.4	-15.49		37.99	-15.24	Good;No Change;No Repair Needed
Y16	12/18/14 9:44	58.1	35	0	6.9	96.3	-16.7		10.96	-16.49	Good;No Change;No Repair Needed
Y16	1/22/15 9:57	62.1	37.5	0	0.4	93.9	-18.77		32.17	-18.6	Good;No Change;No Repair Needed
Y16	2/3/15 10:14	54.7	37.1	0	8.2	90.7	-20.97		45.37	-20.8	Good;No Change;No Repair Needed
Y16	3/3/15 10:16	56.6	33.1	0	10.3	89.7	-14.45		28.64	-14.5	Good;No Change;No Repair Needed
Y16	3/18/15 9:54	61	35.2	0.1	3.7	89.5	-15.49		19.16	-15.36	Good;No Change;No Repair Needed
Y16	4/2/15 9:56	56.5	33.9	0.5	9.1	94	-15.79		32.41	-15.88	Good;No Change;No Repair Needed
Y16	4/17/15 12:36	57	36.1	0.1	6.8	95.4	-15.44		28.42	-15.54	Good;No Change;No Repair Needed
Y16	5/5/15 10:16	60.6	35	0	4.4	97.9	-20.71		27.98	-20.63	Good;No Change;No Repair Needed
Y16	5/20/15 12:43	55.6	35	0.2	9.2	98.5	-19.59		18.65	-19.34	Good;No Change;No Repair Needed
Y16	6/1/15 12:28	52.5	34.4	0.1	13	99.2	-21.14		37.97	-20.76	Good;No Change;No Repair Needed
Y16	6/16/15 12:55	51.9	34.5	0	13.6	101.2	-17.13		25.95	-16.88	Good;No Change;No Repair Needed
Y16	7/2/15 11:18	55.8	35.2	0	9	98.7	-17.52		18.91	-17.26	Good;No Change;No Repair Needed
Y16	7/27/15 13:03	60.1	36.8	0	3.1	100.2	-15.44		10.96	-15.24	Good;No Change;No Repair Needed
Y16	8/5/15 13:20	57.8	36	0.1	6.1	101.7	-21.23		18.68	-21.32	Good;No Change;No Repair Needed
Y16	8/20/15 13:08	51.9	34.5	0.5	13.1	98.3	-17.82		25.2	-17.95	Good;No Change;No Repair Needed
Y16	9/4/15 10:14	52.6	34.1	0.3	13	102	-19.63		22.03	-19.72	Good;No Change;No Repair Needed
Y16	9/17/15 12:59	51.2	34.5	0.2	14.1	102.9	-23.55		21.81	-23.74	Good;No Change;No Repair Needed
Y16	10/1/15 13:59	49.8	34.7	0.2	15.3	98.4	-19.54		33.87	-19.85	Good;No Change;No Repair Needed
Y16	10/16/15 12:53	52.7	34.8	0.1	12.4	99	-22.35		25.46	-22.05	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y16	11/3/15 11:03	52.2	35.9	0.2	11.7	93.8	-21.03		16.73	-21.19	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y16	11/18/15 12:27	49.6	33.7	0.2	16.5	99.1	-18.21		23.09	-18.26	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y16	12/4/15 12:46	52.6	33.8	0.3	13.3	98.1	-23.77		26.28	-23.61	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y16	12/16/15 10:45	54.7	35	0	10.3	95.7	-19.97		16.25	-19.9	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y19	12/5/14 9:33	57.8	35.1	0	7.1	93.6	-7.16		16.74	-15.02	Good;No Change;No Repair Needed
Y19	12/18/14 9:28	60.8	36.8	0	2.4	92.7	-7.94	-8.58	17.36	-15.36	Good;No Repair Needed;Slightly Open
Y19	12/18/14 9:29	61	37.1	0	1.9	93.2	-9.28		19.1	-16.1	2nd Reading;Good;No Repair Needed
Y19	1/22/15 9:38	56.8	36.4	0	6.8	93.6	-11.6	-11.95	19.55	-19.29	Good;No Repair Needed;Slightly Open
Y19	1/22/15 9:39	57.2	37.2	0	5.6	94	-12.21		28.36	-18.56	2nd Reading;Good;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y19	2/3/15 9:59	51.7	35.6	0	12.7	92.1	-14.88		23.09	-21.06	Good;No Change;No Repair Needed
Y19	3/3/15 9:55	55.9	35.2	0	8.9	91.3	-9.23	-9.88	16.68	-13.47	Good;No Repair Needed;Slightly Open
Y19	3/3/15 9:56	56.2	35.7	0	8.1	91.7	-10.57		25.72	-15.11	2nd Reading;Good;No Repair Needed
Y19	3/18/15 9:37	61	35.7	0.3	3	89.8	-11.69		12.92	-14.89	Good;No Change;No Repair Needed
Y19	4/2/15 9:42	51.1	33.7	0.3	14.9	95	-12.34		19.11	-17.35	Good;No Change;No Repair Needed
Y19	4/17/15 12:20	57.5	34.5	0	8	95.1	-11.65		27.73	-15.19	Good;No Change;No Repair Needed
Y19	5/5/15 10:00	50.8	32.4	0	16.8	97.1	-15.14		28.07	-20.11	Good;No Change;No Repair Needed
Y19	5/20/15 12:25	44.6	32.3	0.1	23	97.2	-13.76	-13.03	19.92	-18.77	Good;No Repair Needed;Slightly Closed
Y19	5/20/15 12:26	44.6	31.9	0	23.5	97	-12.68		17.71	-19.34	2nd Reading;Good;No Repair Needed
Y19	6/1/15 12:11	44.1	33	0	22.9	96.7	-13.07	-12.38	33.32	-20.93	Good;No Repair Needed;Slightly Closed
Y19	6/1/15 12:12	43.6	31.7	0	24.7	96.7	-11.69		20.56	-20.8	2nd Reading;Good;No Repair Needed
Y19	6/16/15 12:36	47.4	33.9	0	18.7	98.1	-9.32	-8.97	19.58	-16.79	Good;No Repair Needed;Slightly Closed
Y19	6/16/15 12:37	47.2	32.9	0	19.9	98.1	-8.33		18.29	-17.22	2nd Reading;Good;No Repair Needed
Y19	7/2/15 11:00	50.7	35	0	14.3	95.8	-8.58		16.86	-16.27	Good;No Change;No Repair Needed
Y19	7/27/15 12:44	55.8	36.7	0	7.5	97.5	-8.58	-9.23	13.21	-15.19	Good;No Repair Needed;Slightly Open
Y19	7/27/15 12:45	56.9	36	0	7.1	97.7	-9.92		23.42	-15.62	2nd Reading;Good;No Repair Needed
Y19	8/5/15 12:59	48.5	35.3	0	16.2	98.3	-13.63	-12.94	23.64	-22.1	Good;No Repair Needed;Slightly Closed
Y19	8/5/15 13:00	48.5	34.9	0	16.6	98.3	-12.42		20.14	-21.62	2nd Reading;Good;No Repair Needed
Y19	8/20/15 12:48	43	34.6	0	22.4	97.3	-11.26	-10.57	19.68	-23.52	Good;No Repair Needed;Slightly Closed
Y19	8/20/15 12:49	42.2	32.6	0	25.2	97.4	-10.22		18.01	-22.74	2nd Reading;Good;No Repair Needed
Y19	9/4/15 9:54	41.5	32.2	0.3	26	96.8	-9.32	-8.58	19.32	-18.73	Good;No Repair Needed;Slightly Closed
Y19	9/4/15 9:55	41.7	31.9	0.3	26.1	96.6	-7.94		9.9	-20.41	2nd Reading;Good;No Repair Needed
Y19	9/17/15 12:39	43.5	33.3	0.1	23.1	97	-7.85	-7.2	18.3	-22.49	Good;No Repair Needed;Slightly Closed
Y19	9/17/15 12:40	43.2	33.1	0.1	23.6	97	-6.77		13.75	-24	2nd Reading;Good;No Repair Needed
Y19	10/1/15 13:29	46.7	34.5	0	18.8	90.1	-5.82	-5.48	11.35	-17.91	Good;No Repair Needed;Slightly Closed
Y19	10/1/15 13:31	47.5	34.1	0	18.4	88.5	-5.13		10.38	-18.64	2nd Reading;Good;No Repair Needed
Y19	10/16/15 12:33	48	35	0	17	90.9	-5.82		9.57	-18.43	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y19	11/3/15 10:49	47.7	33.8	0	18.5	91.8	-5.82	-5.52	11.27	-19.85	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y19	11/3/15 10:50	48.1	33.7	0	18.2	91.6	-5.52		15.85	-19.98	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y19	11/18/15 11:02	51.1	35	0	13.9	88.5	-3.63		10.41	-19.29	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y19	12/4/15 12:28	50.2	34.6	0.1	15.1	84	-6.86		6.41	-22.05	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y19	12/16/15 10:23	54.2	34.7	0	11.1	84.7	-5.48	-5.52	9.96	-22.27	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y19	12/16/15 10:23	54.2	35.4	0	10.4	86.4	-6.17		12.84	-20.85	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y20	12/5/14 9:36	55.6	35.8	0	8.6	108.3	-2.59		37.94	-16.14	Good;No Change;No Repair Needed
Y20	12/18/14 9:31	56.1	34.5	0	9.4	107.9	-3.77		54.6	-16.44	Good;No Change;No Repair Needed
Y20	1/22/15 9:41	55	37.2	0	7.8	107.9	-6.13	-6.47	53.68	-19.34	Good;No Repair Needed;Slightly Open
Y20	1/22/15 9:42	54.8	37.4	0	7.8	108.1	-6.17		55.26	-19.16	2nd Reading;Good;No Repair Needed
Y20	2/3/15 10:01	47.3	35.6	0	17.1	107.4	-9.92	-9.58	51.09	-22.01	Good;No Repair Needed;Slightly Closed
Y20	2/3/15 10:02	46.6	35.7	0	17.7	107.2	-9.58		42.91	-19.46	2nd Reading;Good;No Repair Needed
Y20	3/3/15 9:59	52.6	35	0	12.4	106.8	-3.76		41.92	-14.67	Good;No Change;No Repair Needed
Y20	3/18/15 9:44	60.2	36.1	0.1	3.6	105.8	-6.51		32.39	-15.93	Good;No Change;No Repair Needed
Y20	4/2/15 9:45	52.2	33.5	0.1	14.2	107.9	-5.78		43.45	-17.74	Good;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y20	4/17/15 12:22	55.5	35.2	0	9.3	107.9	-5.78		41.41	-15.93	Good;No Change;No Repair Needed
Y20	5/5/15 10:03	53.3	33.2	0	13.5	109	-8.28		41.46	-20.76	Good;No Change;No Repair Needed
Y20	5/20/15 12:28	52.4	33.2	0	14.4	109	-7.16		40.61	-18.56	Good;No Change;No Repair Needed
Y20	6/1/15 12:14	52.8	32.5	0	14.7	108.8	-6.95		44.28	-22.4	Good;No Change;No Repair Needed
Y20	6/16/15 12:40	55.4	35.2	0	9.4	109.2	-4.66	-4.92	28.77	-17.26	Good;No Repair Needed;Slightly Open
Y20	6/16/15 12:41	55.6	35.9	0	8.5	109.4	-5.18		50.69	-16.75	2nd Reading;Good;No Repair Needed
Y20	7/2/15 11:03	57.5	35.8	0	6.7	108.8	-5.82	-6.13	36.45	-16.92	Good;No Repair Needed;Slightly Open
Y20	7/2/15 11:04	57.7	36.7	0	5.6	108.8	-6.17		41.51	-16.7	2nd Reading;Good;No Repair Needed
Y20	7/27/15 12:47	55.8	35.9	0	8.3	109.5	-6.9	-7.38	44.66	-19.12	Good;No Repair Needed;Slightly Open
Y20	7/27/15 12:48	56.4	36.7	0	6.9	109.5	-7.55		55.71	-20.33	2nd Reading;Good;No Repair Needed
Y20	8/5/15 13:03	51.6	35.7	0	12.7	109.7	-10.91		56.18	-21.67	Good;No Change;No Repair Needed
Y20	8/20/15 12:51	50.3	34.5	0	15.2	109.3	-8.5		55.91	-21.62	Good;No Change;No Repair Needed
Y20	9/4/15 9:57	51.4	34.6	0.3	13.7	110.8	-8.97		57.5	-20.89	Good;No Change;No Repair Needed
Y20	9/17/15 12:43	51.8	36.2	0.1	11.9	110.8	-9.23		62.41	-26.5	Good;No Change;No Repair Needed
Y20	10/1/15 13:35	51.4	35	0	13.6	109.9	-8.58		76.45	-20.72	Good;No Change;No Repair Needed
Y20	10/16/15 12:37	50.3	35.3	0	14.4	109.9	-9.23		68.65	-19.46	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y20	11/3/15 10:53	49.9	35.7	0	14.4	107.7	-9.4		80.46	-24.85	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y20	11/18/15 11:04	49.2	34.5	0	16.3	109.6	-6.99		67.54	-21.19	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y20	12/4/15 12:31	47.7	34.4	0.1	17.8	109.6	-10.57	-10.31	53.94	-24.21	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y20	12/4/15 12:32	47.4	34.3	0.1	18.2	109.4	-10.31		50.58	-24.47	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y20	12/16/15 10:26	49.5	35.2	0	15.3	109.2	-8.24		56.39	-18.82	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y21	12/5/14 9:39	57.6	31.1	0.2	11.1	101.9	-14.5		35.49	-15.24	70;Good;No Change;No Repair Needed
Y21	12/18/14 9:34	57.7	35.9	0	6.4	101.1	-15.83		38.42	-16.27	70;Good;No Change;No Repair Needed
Y21	1/22/15 9:45	57.5	32.6	0.2	9.7	100.8	-17.52		30.98	-18.13	70;Good;No Change;No Repair Needed
Y21	2/3/15 10:05	57.7	36.6	0.1	5.6	98.9	-20.02		26.16	-20.72	70;Good;No Change;No Repair Needed
Y21	3/3/15 10:02	56.6	34.8	0.2	8.4	99.4	-14.15		28.58	-14.42	70;Good;No Change;No Repair Needed
Y21	3/18/15 9:46	61.2	36.3	0.4	2.1	99.6	-14.93		23.69	-15.15	70;Good;No Change;No Repair Needed
Y21	4/2/15 9:47	57.6	34.3	0.4	7.7	100.9	-16.82		38.95	-17.22	96;Good;No Change;No Repair Needed
Y21	4/17/15 12:25	61.4	36.7	0.1	1.8	101.3	-15.7		38.96	-16.06	96;Good;No Change;No Repair Needed
Y21	5/5/15 10:06	61.2	35.6	0	3.2	101.5	-19.63		20.57	-19.94	96;Good;No Change;No Repair Needed
Y21	5/20/15 12:32	59.8	36	0.2	4	101.5	-18.55		23.43	-18.99	96;Good;No Change;No Repair Needed
Y21	6/1/15 12:17	60.5	35.5	0.1	3.9	101.4	-20.66		16.68	-20.93	96;Good;No Change;No Repair Needed
Y21	6/16/15 12:45	59.6	36.8	0	3.6	102.3	-15.88		21.89	-16.18	363;Good;No Change;No Repair Needed
Y21	7/2/15 11:08	61.8	37.7	0	0.5	100.8	-15.66		26.8	-15.88	691;Good;No Change;No Repair Needed
Y21	7/27/15 12:53	60.8	37	0	2.2	102.1	-18.55		17.95	-18.99	713;Good;No Change;No Repair Needed
Y21	8/5/15 13:08	59.3	37.9	0	2.8	102.3	-20.92		33.42	-20.76	713;Good;No Change;No Repair Needed
Y21	8/20/15 12:55	59.1	37.7	0	3.2	101.3	-17.86		17.61	-17.95	Good;No Change;No Repair Needed
Y21	9/4/15 10:01	57.8	36.3	0.3	5.6	101.8	-19.28		23.73	-20.28	713;Good;No Change;No Repair Needed
Y21	9/17/15 12:47	58.6	37.8	0.1	3.5	102.7	-23.17		25.64	-23	713;Good;No Change;No Repair Needed
Y21	10/1/15 13:40	58.5	37.9	0	3.6	100	-18.29		36.83	-18.47	721;Good;No Change;No Repair Needed
Y21	10/16/15 12:42	57.5	37	0	5.5	101.5	-21.35		44.53	-21.62	Valve Comment:"3180";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y21	11/3/15 10:56	56.4	35.9	0	7.7	101.7	-21.35		22.51	-21.92	Valve Comment:"3180";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y21	11/18/15 12:17	56.4	36.2	0.1	7.3	100.2	-19.33		28.04	-20.16	Valve Comment:"3180";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y21	12/4/15 12:35	56.9	35.7	0.1	7.3	99.1	-20.66		17.28	-20.46	Valve Comment:"3180";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y21	12/16/15 10:33	57.7	36.1	0	6.2	99.5	-18.94		25.78	-18.47	Valve Comment:"3180";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y22	12/5/14 9:42	57.6	35.5	0	6.9	80.6	-8.58		22.07	-16.06	Good;No Change;No Repair Needed
Y22	12/18/14 9:38	58	34.4	0	7.6	79.8	-9.97	-10.35	18.11	-16.57	Good;No Repair Needed;Slightly Open
Y22	12/18/14 9:39	58.4	36.1	0	5.5	80.8	-10.66		26.54	-16.44	2nd Reading;Good;No Repair Needed
Y22	1/22/15 9:48	62.1	37.6	0	0.3	79.5	-14.15	-15.1	23.25	-18.64	Good;No Repair Needed;Slightly Open
Y22	1/22/15 9:50	62.1	37.7	0	0.2	80.8	-15.44		33.06	-18.52	2nd Reading;Good;No Repair Needed
Y22	2/3/15 10:07	57.6	37.9	0	4.5	78.7	-19.11		21.86	-20.67	Good;No Change;No Repair Needed
Y22	3/3/15 10:06	57.1	35	0.2	7.7	79.3	-12.64		24.87	-14.5	Good;No Change;No Repair Needed
Y22	3/18/15 9:49	62.6	36.5	0.3	0.6	80.1	-14.8		18.87	-15.84	Good;No Change;No Repair Needed
Y22	4/2/15 9:50	60.6	35.1	0.3	4	81.9	-16.09		23.24	-16.96	Good;No Change;No Repair Needed
Y22	4/17/15 12:28	62.7	36.9	0	0.4	83.2	-15.1		26.19	-15.84	Good;No Change;No Repair Needed
Y22	5/5/15 10:08	62.1	35.8	0	2.1	83.9	-20.32		27.4	-20.67	Good;No Change;No Repair Needed
Y22	5/20/15 12:34	58.8	36.3	0.2	4.7	83.8	-19.24		20.58	-19.34	Good;No Change;No Repair Needed
Y22	6/1/15 12:20	57.7	36.3	0	6	83.2	-20.79		27	-21.19	Good;No Change;No Repair Needed
Y22	6/16/15 12:48	56	36.4	0	7.6	87	-16.22		23.27	-16.57	Good;No Change;No Repair Needed
Y22	7/2/15 11:10	56.6	36.4	0	7	82.2	-15.66		14.46	-16.18	Good;No Change;No Repair Needed
Y22	7/27/15 12:57	61.1	37.4	0	1.5	85.7	-15.75		20.38	-15.58	Good;No Change;No Repair Needed
Y22	8/5/15 13:11	60.3	38	0	1.7	87.2	-20.79		30.65	-21.41	Good;No Change;No Repair Needed
Y22	8/20/15 12:59	56.4	37.8	0.1	5.7	85.3	-17.47		14.1	-17.61	Good;No Change;No Repair Needed
Y22	9/4/15 10:04	56.6	37.2	0.4	5.8	83.5	-18.94		27.23	-19.42	Good;No Change;No Repair Needed
Y22	9/17/15 12:50	54.4	37.2	0.2	8.2	84.7	-22.56		14.83	-22.53	Good;No Change;No Repair Needed
Y22	10/1/15 13:44	54.8	34.1	0	11.1	81.1	-18.59		38.85	-18.99	Good;No Change;No Repair Needed
Y22	10/16/15 12:46	56	37.2	0	6.8	82.8	-21.05		29.76	-21.54	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y22	11/3/15 10:59	52.1	35.7	0	12.2	84.2	-21.59		43.98	-21.88	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y22	11/18/15 12:20	54.2	36.6	0.1	9.1	81	-17.86		16.01	-18	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y22	12/4/15 12:37	56.9	36.2	0.1	6.8	81.1	-22.82		28.86	-23.61	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y22	12/16/15 10:37	57.5	35.9	0	6.6	80.6	-20.02		26.73	-20.28	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y23	12/5/14 9:44	57.8	35.5	0.4	6.3	78.8	-3.28		10.4	-15.49	204;Good;No Change;No Repair Needed
Y23	12/18/14 9:41	57.8	36.2	0.5	5.5	78.3	-4.84		22.15	-16.57	204;Good;No Change;No Repair Needed
Y23	1/22/15 9:53	57.2	34.5	0.9	7.4	74.8	-10.27		12.56	-18.82	204;Good;No Change;No Repair Needed
Y23	2/3/15 10:10	53.8	37.7	0.8	7.7	76.8	-13.89		11.5	-20.11	204;Good;No Change;No Repair Needed
Y23	3/3/15 10:09	58.7	35.5	0.4	5.4	76.8	-8.15	-9.84	28.98	-14.59	204;Good;No Repair Needed;Slightly Open
Y23	3/3/15 10:11	58.7	36.1	0.3	4.9	78.3	-10.22		19.54	-14.85	2nd Reading;Good;No Repair Needed
Y23	3/18/15 9:51	59.2	35.8	0.8	4.2	78.4	-12.04		11.21	-15.8	204;Good;No Change;No Repair Needed
Y23	4/2/15 9:53	58.9	35.1	0.7	5.3	82.3	-13.24	-15.06	31.27	-18.47	204;Good;No Repair Needed;Slightly Open
Y23	4/2/15 9:54	57.6	34.7	0.9	6.8	82.8	-15.31		29.55	-17.18	2nd Reading;Good;No Repair Needed
Y23	4/17/15 12:31	59	36.6	0.4	4	83.8	-15.4		31.75	-16.01	204;Good;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y23	5/5/15 10:12	59.8	35.7	0.4	4.1	86.3	-19.93		25.24	-20.37	204;Good;No Change;No Repair Needed
Y23	5/20/15 12:40	54.2	34.7	0.4	10.7	85.7	-18.94		28.71	-18.99	204;Good;No Change;No Repair Needed
Y23	6/1/15 12:23	50.2	34.5	0.3	15	85.3	-20.32		25.24	-21.58	204;Good;No Change;No Repair Needed
Y23	6/16/15 12:52	49.3	34.9	0.2	15.6	90.8	-15.53		16.21	-16.53	204;Good;No Change;No Repair Needed
Y23	7/2/15 11:14	52.9	35.6	0.2	11.3	85.1	-15.1		19.89	-16.1	204;Good;No Change;No Repair Needed
Y23	7/27/15 13:00	60.8	37.2	0.1	1.9	87.2	-15.1		13.91	-15.93	217;Good;No Change;No Repair Needed
Y23	8/5/15 13:15	58.2	37.4	0	4.4	88.8	-20.53		20.25	-21.28	217;Good;No Change;No Repair Needed
Y23	8/20/15 13:03	49.9	36.3	0.2	13.6	87.2	-16.78		23.69	-17.91	217;Good;No Change;No Repair Needed
Y23	9/4/15 10:08	48.1	35.1	0.3	16.5	86	-17.95		17.4	-18.73	217;Good;No Change;No Repair Needed
Y23	9/17/15 12:55	46.4	34.9	0.6	18.1	86.5	-21.96	-20.92	31.32	-23.44	217;Good;No Repair Needed;Slightly Closed
Y23	9/17/15 12:56	46	34.5	0.6	18.9	86.4	-20.58		19.96	-21.75	2nd Reading;Good;No Repair Needed
Y23	10/1/15 13:53	47.2	35	0.2	17.6	82.9	-17.21	-16.18	27.78	-19.03	217;Good;No Repair Needed;Slightly Closed
Y23	10/1/15 13:55	46.5	34.8	0.2	18.5	83.3	-16.31		26.1	-19.77	2nd Reading;Good;No Repair Needed
Y23	10/16/15 12:50	51.9	35.6	0.3	12.2	84.7	-18.9		25.76	-22.62	Valve Comment:"13992";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y23	11/3/15 10:59	49.5	35	0.1	15.4	84.7	-18.94		27.71	-22.31	Valve Comment:"76720";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y23	11/18/15 12:23	47.4	34.4	0.2	18	83.7	-14.84	-14.02	23.16	-18.21	Valve Comment:"93582";Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y23	11/18/15 12:23	47	34	0.2	18.8	83.7	-13.68		21.27	-18.3	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y23	12/4/15 12:40	54.3	35.5	0.1	10.1	83.3	-19.07	-20.32	17.13	-23.52	Valve Comment:"144300";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y23	12/4/15 12:41	54.1	35.4	0.1	10.4	83.3	-20.66		22.31	-23.61	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y23	12/16/15 10:40	55.7	35.8	0.1	8.4	81.7	-17.9	-18.25	22.47	-19.85	Valve Comment:"169740";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y23	12/16/15 10:41	55.3	35.9	0	8.8	82	-18.25		29.33	-19.94	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y24	12/5/14 9:09	57.6	36.4	1.3	4.7	49.3	-1.11		7.6	-16.66	Good;No Change;No Repair Needed
Y24	12/18/14 9:08	57.1	32.6	0.8	9.5	44.1	-2.21		19.74	-19.46	Good;No Change;No Repair Needed
Y24	1/22/15 9:06	43.4	28.9	4.5	23.2	46.7	-4.34	-4.32	7	-24.86	Fair;No Repair Needed;Slightly Closed
Y24	1/22/15 9:09	45.2	29.3	4.9	20.6	59.1	-4.63		7	-24.86	2nd Reading;Fair;No Repair Needed
Y24	2/3/15 9:24	0.8	9.1	20.7	69.4	37.2	-4.61	-4.6	0	-25.55	Fair;No Repair Needed;Slightly Closed
Y24	2/3/15 9:28	41.7	28.4	4.9	25	65.9	-5.44		4.85	-26.59	2nd Reading;Fair;No Repair Needed;well influence
Y24	3/3/15 9:33	51.3	32.8	1.7	14.2	48.9	-0.57		2.88	-17.52	Good;No Change;No Repair Needed
Y24	3/18/15 9:09	52.8	31.5	1.3	14.4	49.2	-2.36		0	-17.44	Fair;No Change;No Repair Needed
Y24	4/2/15 9:20	51.6	27.4	3	18	71	-1.92		2.81	-21.23	Good;No Change;No Repair Needed
Y24	4/17/15 11:59	50.1	28.7	1.7	19.5	85.9	-2.67		7.31	-20.46	Good;No Change;No Repair Needed
Y24	5/5/15 9:33	55	30.9	0.4	13.7	84.9	-4.22		9.55	-25.21	Good;No Change;No Repair Needed
Y24	5/20/15 12:02	47.9	32.5	0.6	19	82.3	-3.79		2.77	-25.38	Fair;No Change;No Repair Needed;valve barely cracked;well influence
Y24	6/1/15 11:48	42.5	31.1	0.6	25.8	79.4	-3.74		8.77	-24.86	Good;No Change;No Repair Needed;valve barely cracked;well influence
Y24	6/16/15 12:11	49.6	34.4	0.2	15.8	94.2	-2.44		4.75	-19.34	Good;No Change;No Repair Needed
Y24	7/2/15 10:32	57.4	35.8	0.3	6.5	80.2	-2.83	-2.9	5.56	-18	Good;No Repair Needed;Slightly Open
Y24	7/2/15 10:33	57.7	35.8	0.2	6.3	81.4	-2.95		7.34	-18.34	2nd Reading;Good;No Repair Needed
Y24	7/27/15 12:17	58.6	36.8	0.7	3.9	88.9	-3.99	-4.22	9.52	-19.34	Good;No Repair Needed;Slightly Open
Y24	7/27/15 12:18	58.7	36.3	0.6	4.4	89.7	-4.36		13.16	-18.69	2nd Reading;Good;No Repair Needed
Y24	8/5/15 12:36	45.5	33.8	0.8	19.9	93.7	-7.81	-7.46	12.42	-28.74	Good;No Repair Needed;Slightly Closed
Y24	8/5/15 12:37	45.3	34	0.8	19.9	94.6	-7.12		6.07	-29.18	2nd Reading;Good;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y24	8/20/15 12:28	48.6	33.4	0.3	17.7	90.1	-2.91		4.77	-26.28	Good;No Change;No Repair Needed
Y24	9/4/15 9:28	40.8	31.7	0.6	26.9	86.9	-5.22	-4.94	6.43	-27.02	Good;No Repair Needed;Slightly Closed
Y24	9/4/15 9:29	41.5	31.8	0.6	26.1	86.5	-4.86		5.76	-27.36	2nd Reading;Good;No Repair Needed
Y24	9/17/15 12:14	47.3	33.5	0.3	18.9	92.3	-4.26		5.77	-28.83	Good;No Change;No Repair Needed;valve barely cracked;well influence
Y24	10/1/15 12:54	41.2	30.4	2.7	25.7	62.4	-5.48		4.98	-29.91	2nd Reading;Good;No Repair Needed
Y24	10/16/15 11:57	44.6	30.7	2.6	22.1	80.6	-5.44		6.98	-27.67	Valve Comment:"valve barely cracked ";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y24	11/3/15 10:29	45.9	31.4	1.2	21.5	81	-5.18		9.72	-24.82	Valve Adjustment:"No Change";Well Comment:"well influence ";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y24	11/18/15 10:40	41.7	30.1	0.3	27.9	75.4	-4.46		7.63	-30.38	Valve Comment:"valve barely cracked ";Valve Adjustment:"No Change";Well Comment:"well influence ";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y24	12/4/15 12:03	42.8	31.5	0.5	25.2	70.2	-6.21		0	-30.17	Valve Comment:"valve barely cracked ";Valve Adjustment:"No Change";Well Comment:"well influence ";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y24	12/16/15 10:00	47	32.1	0.2	20.7	69.3	-5.48		0	-29.91	Valve Comment:"valve barely cracked ";Valve Adjustment:"No Change";Well Comment:"well influence ";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y25	12/5/14 11:44	57.5	35.8	0.1	6.6	102.7	-7.2		10.77	-17.65	200030;Good;No Change;No Repair Needed
Y25	12/18/14 11:40	56.5	36.1	0.1	7.3	103.2	-8.24		40.89	-19.38	201803;Good;No Change;No Repair Needed
Y25	1/22/15 12:19	49.6	34.6	0.1	15.7	101.3	-10.7		0	-23.91	204096;Good;No Change;No Repair Needed
Y25	2/3/15 12:34	49.4	34.4	0.1	16.1	100	-11.35		8.01	-26.28	205063;Good;No Change;No Repair Needed
Y25	3/3/15 12:06	57.4	37.3	0	5.3	98.3	-5.87		0	-14.29	207850;Good;No Change;No Repair Needed
Y25	3/18/15 11:35	60	35.2	0.4	4.4	98.9	-8.58		13.73	-17.31	209424;Good;No Change;No Repair Needed
Y25	4/2/15 11:48	52.8	34.4	0.5	12.3	105.4	-9.66		11.64	-21.8	214457;Good;No Change;No Repair Needed
Y25	4/17/15 13:23	53.5	34.3	0.6	11.6	105.7	-9.23		12.24	-18.95	218863;Good;No Change;No Repair Needed
Y25	5/5/15 13:09	52.8	34.9	0.3	12	109.5	-11.39		11.54	-26.37	225338;Good;No Change;No Repair Needed
Y25	5/20/15 13:33	52.9	35	0.1	12	108.3	-10.96		9.57	-25.94	229204;Good;No Change;No Repair Needed
Y25	6/1/15 13:08	51.2	35.1	0.3	13.4	107	-10.7		12.47	-25.9	232505;Good;No Change;No Repair Needed
Y25	6/16/15 13:43	52	35.8	0	12.2	109.9	-8.67		12.78	-19.29	236186;Good;No Change;No Repair Needed
Y25	7/2/15 13:13	56.1	37.4	0.1	6.4	105.4	-7.85	-8.54	8.48	-16.62	Good;No Repair Needed;Slightly Open
Y25	7/2/15 13:15	56.1	37.5	0.1	6.3	106.5	-9.32		10.34	-17.22	2nd Reading;Good;No Repair Needed
Y25	7/27/15 14:52	55	37.2	0.2	7.6	110.2	-10.61	-11.65	7.96	-16.96	242506;Good;No Repair Needed;Slightly Open
Y25	7/27/15 14:53	55.4	36.8	0.1	7.7	110.9	-13.03		17.27	-20.16	2nd Reading;Good;No Repair Needed
Y25	8/5/15 14:03	51.1	36.8	0.2	11.9	112.3	-18.85		14.43	-29.31	242506;Good;No Change;No Repair Needed
Y25	8/20/15 13:55	49.6	36.1	0.4	13.9	111.9	-17.52		16.46	-27.54	242506;Good;No Change;No Repair Needed
Y25	9/4/15 12:09	47.5	34.8	0.1	17.6	114.3	-18.21	-17.77	15.5	-28.31	242506;Good;No Repair Needed;Slightly Closed
Y25	9/4/15 12:11	47.2	34.8	0.1	17.9	114.1	-16.09		8.4	-28.4	2nd Reading;Good;No Repair Needed
Y25	9/17/15 13:55	50.7	36	0.3	13	114.1	-14.02		13.2	-28.18	247401;Good;No Change;No Repair Needed
Y25	10/1/15 15:13	50.1	36.6	0.1	13.2	110.5	-14.19		9.75	-29.82	251571;Good;No Change;No Repair Needed
Y25	10/16/15 14:06	51.5	37.5	0.1	10.9	111.4	-13.98		0	-30.13	Valve Comment:"254910";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y25	11/3/15 11:29	50.6	33.6	0.3	15.5	112.6	-12.38		15.84	-25.08	Valve Comment:"258588";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y25	11/18/15 11:14	51.5	35.8	0.3	12.4	110.8	-12.12		16	-30.47	Valve Comment:"259973";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y25	12/4/15 13:29	52	34	0.5	13.5	108.5	-13.42		14.09	-30.82	Valve Comment:"261085";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y25	12/16/15 13:37	51.9	36.1	0.2	11.8	111	-11.95		12.65	-25.72	Valve Comment:"261421";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y28	12/5/14 9:15	55.7	37.1	0.2	7	104.4	-10.61		24.86	-15.84	83849;Good;No Change;No Repair Needed
Y28	12/18/14 9:13	57.8	36.9	0.1	5.2	103.9	-12.47		27.46	-19.03	85378;Good;No Change;No Repair Needed
Y28	1/22/15 9:15	57.8	37.5	0.2	4.5	104.6	-15.62	-15.88	28.95	-25.42	89133;Good;No Repair Needed;Slightly Open
Y28	1/22/15 9:17	57.3	37.3	0.4	5	105	-16.13		40.19	-25.16	2nd Reading;Good;No Repair Needed
Y28	2/3/15 9:33	57.5	36	0.4	6.1	100.9	-16.82	-17	30.47	-26.28	91130;Good;No Repair Needed;Slightly Open
Y28	2/3/15 9:35	57.5	36.6	0.3	5.6	101.3	-17.52		32.49	-26.59	2nd Reading;Good;No Repair Needed
Y28	3/3/15 9:39	56.9	35.7	0.6	6.8	100.4	-10.96		24.06	-16.23	96143;Good;No Change;No Repair Needed
Y28	3/18/15 9:16	59.2	36.8	0.7	3.3	100.6	-12.04	-12.04	19.4	-17.05	99478;Good;No Repair Needed;Slightly Open
Y28	3/18/15 9:17	59.3	36.5	0.7	3.5	100.2	-12.21		27.31	-17.26	2nd Reading;Good;No Repair Needed
Y28	4/2/15 9:25	56.8	34.7	1.2	7.3	103.5	-13.03		25.57	-20.72	105782;Good;No Change;No Repair Needed
Y28	4/17/15 12:05	60	36.9	0.2	2.9	106.5	-12.68	-12.73	30.87	-20.46	110591;Good;No Repair Needed;Slightly Open
Y28	4/17/15 12:06	60.7	37.3	0.1	1.9	106.5	-13.03		32.93	-20.24	2nd Reading;Good;No Repair Needed
Y28	5/5/15 9:40	60.5	36.7	0.1	2.7	107.7	-17.21	-17.56	34.68	-25.55	118118;Good;No Repair Needed;Slightly Open
Y28	5/5/15 9:41	60.6	37.3	0.1	2	107.9	-17.56		31.18	-25.81	2nd Reading;Good;No Repair Needed
Y28	5/20/15 12:08	59.1	36.7	0.3	3.9	108	-18.21	-18.25	36.4	-25.25	Good;needs valve;No Repair Needed;Slightly Open
Y28	5/20/15 12:09	60.1	37	0.3	2.6	108.3	-18.55		34.74	-25.16	123147;2nd Reading;Good;No Repair Needed
Y28	6/1/15 11:53	57.8	35.4	0.2	6.6	107.9	-17.21		34.97	-23.48	126364;Good;No Change;No Repair Needed
Y28	6/16/15 12:16	57.8	37	0.1	5.1	109.9	-13.46		32.58	-19.64	129679;Good;No Change;No Repair Needed
Y28	7/2/15 10:39	60.8	38.3	0	0.9	107.2	-12.38		25.8	-16.57	132830;Good;No Change;No Repair Needed;valve full open
Y28	7/27/15 12:24	59.5	38.2	0.2	2.1	108.3	-13.03		28.32	-18.04	140034;Good;No Change;No Repair Needed;valve full open
Y28	8/5/15 12:43	57.7	37.9	0.3	4.1	108.9	-19.8		34.31	-28.18	142668;Good;No Change;No Repair Needed
Y28	8/20/15 12:33	56.5	36.9	0.7	5.9	108.8	-13.98		39.05	-23.61	146660;Good;No Change;No Repair Needed;valve full open
Y28	9/4/15 9:36	55.5	36.1	0.7	7.7	109.9	-17.56		37.21	-26.28	149916;Good;No Change;No Repair Needed
Y28	9/17/15 12:19	53.3	36.6	1.8	8.3	109.6	-16.05		40.58	-25.85	Good;No Change;No Repair Needed
Y28	10/1/15 13:02	55.9	36.7	0.8	6.6	107.6	-18.38		40.53	-28.87	155440;Good;No Change;No Repair Needed
Y28	10/16/15 12:05	54.5	36.4	1	8.1	108.1	-15.79		34.98	-24.17	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y28	11/3/15 10:36	53.2	35.7	0.9	10.2	108.3	-14.8		35.02	-24	Valve Comment:"161735";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y28	11/18/15 10:45	53.4	35.9	0.7	10	107.6	-14.8		39.22	-29.48	Valve Comment:"164204";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y28	12/4/15 12:11	54.5	35.4	1.4	8.7	106.5	-14.8		30.12	-24.95	Valve Comment:"166554";Valve Adjustment:"No Change";Well Comment:"valve full open ";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y28	12/16/15 10:05	55.2	36.7	1.2	6.9	106.7	-13.42		32.14	-24.95	Valve Comment:"168383";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y29	12/5/14 10:19	56.7	35.8	0	7.5	89	-0.29		6.79	-15.93	117974;Good;No Change;No Repair Needed
Y29	12/18/14 10:14	54.9	35.7	0.8	8.6	76.1	-0.65		7.42	-18.13	120186;Good;No Change;No Repair Needed
Y29	1/22/15 10:31	46.2	34.6	0.8	18.4	73.7	-1.62	-1.5	6.27	-23.18	120186;Good;No Repair Needed;Slightly Closed
Y29	1/22/15 10:32	45.9	34.7	0.7	18.7	72.4	-1.28		6.28	-23.09	2nd Reading;Good;No Repair Needed
Y29	2/3/15 10:51	46.3	34.8	0.9	18	49.9	-1.18	-1.17	0	-24.9	120186;Good;No Repair Needed;Slightly Closed
Y29	2/3/15 10:52	46	35.9	0.4	17.7	50.3	-1.15		2.87	-25.55	2nd Reading;Good;No Repair Needed
Y29	3/3/15 10:56	56.5	35.1	0	8.4	54.1	0.64	-0.02	0	-13.81	120186;Good;No Repair Needed;Slightly Open
Y29	3/3/15 10:57	56	36.9	0	7.1	66.7	-0.44		8	-14.07	2nd Reading;Good;No Repair Needed
Y29	3/18/15 10:23	54.1	34	0.8	11.1	97.9	-3.9		9.04	-16.88	120186;Good;No Change;No Repair Needed
Y29	4/2/15 10:25	40.5	30.5	1	28	106.7	-4.3	-3.85	6.62	-21.75	120186;Good;No Repair Needed;Slightly Closed
Y29	4/2/15 10:26	40	30.4	0.9	28.7	102.8	-3.11		3.85	-21.41	2nd Reading;Good;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y29	4/17/15 13:16	47.6	32	0.5	19.9	101.3	-2.16	-2.09	6.1	-18.95	120186;Good;No Repair Needed;Slightly Closed
Y29	4/17/15 13:17	48.1	32.2	0.4	19.3	100.6	-1.95		9.06	-18.6	2nd Reading;Good;No Repair Needed
Y29	5/5/15 12:58	48.2	32.6	1.2	18	99.4	-1.22		9.88	-24.6	120199;Good;No Change;No Repair Needed
Y29	5/20/15 13:21	53.5	34.4	0.4	11.7	97.5	-1.07		7.27	-24.6	120201;Good;No Change;No Repair Needed
Y29	6/1/15 12:58	53.1	34	0.5	12.4	99.8	-1.56		9.08	-24.69	120201;Good;No Change;No Repair Needed
Y29	6/16/15 13:28	52.7	35.1	0.6	11.6	107.9	-1.22		9.42	-18.99	120201;Good;No Change;No Repair Needed
Y29	7/2/15 13:00	55.8	36.4	0.5	7.3	100.1	-1.36		4.74	-16.92	120201;Good;No Change;No Repair Needed
Y29	7/27/15 14:45	57.3	34.7	0.5	7.5	108.4	-1.6	-1.84	11.84	-16.18	120201;Good;No Repair Needed;Slightly Open
Y29	7/27/15 14:46	57.3	35.1	0.4	7.2	109.5	-2.26		6.64	-16.27	2nd Reading;Good;No Repair Needed
Y29	8/5/15 14:00	50.2	36.1	0.5	13.2	113.9	-4.17		13.96	-28.36	120201;Good;No Change;No Repair Needed
Y29	8/20/15 13:52	48.6	36.5	0.4	14.5	113.5	-3.63		11.09	-24.26	120211;Good;No Change;No Repair Needed
Y29	9/4/15 12:05	45	36	0.4	18.6	116.8	-3.99	-3.26	12.24	-27.67	120211;Good;No Repair Needed;Slightly Closed
Y29	9/4/15 12:06	44.2	34.8	0.5	20.5	115.2	-2.23		6.48	-26.72	2nd Reading;Good;No Repair Needed
Y29	9/17/15 13:50	54.9	37.8	0.5	6.8	104	-0.74	-0.86	9.65	-26.03	120211;Good;No Repair Needed;Slightly Open
Y29	9/17/15 13:51	55.2	38	0.5	6.3	104.9	-1.07		10.07	-25.51	2nd Reading;Good;No Repair Needed
Y29	10/1/15 15:05	53.7	36.2	0.3	9.8	100.4	-1.65		2.9	-29.22	120213;Good;Needs New Regulator;No Change
Y29	10/16/15 14:00	49.7	35.3	0.6	14.4	102.7	-1.45		7.05	-27.23	Valve Comment:"120258";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y29	11/3/15 11:26	0.2	0.1	21.8	77.9	91.4	0.99	-0.18	11.46	-24.47	Valve Comment:"120260";Valve Adjustment:"Slightly Open";Well Comment:"tri tubing failure ";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"
Y29	11/3/15 11:27	0.1	0	21.8	78.1	89.1	-0.21		11.07	-23.78	Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"
Y29	11/18/15 11:08	48.8	31.9	0.6	18.7	95.2	-0.55		39.27	-30.04	Valve Comment:"120264";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"Pump Maintenance Required"
Y29	12/4/15 13:18	43.5	32.7	0.9	22.9	84.6	-0.65	-0.62	5.04	-28.79	Valve Comment:"120264";Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"
Y29	12/4/15 13:19	43.9	31.7	0.4	24	83.8	-0.51		6.51	-28.79	Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"
Y29	12/16/15 13:28	57.3	36.6	0	6.1	84.2	0.11	-0.01	9.22	-25.03	Valve Comment:"120264";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y29	12/16/15 13:29	56.7	37.6	0.1	5.6	85.1	-0.1		8.24	-27.79	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y30	12/5/14 9:19	60.8	36.6	0	2.6	69.3	-0.81	-0.86	4.89	-13.81	Good;No Repair Needed;Slightly Open
Y30	12/5/14 9:20	61	37.3	0	1.7	75.2	-1.02		37.61	-15.49	2nd Reading;Good;No Repair Needed
Y30	12/18/14 9:16	57.7	37.1	0.1	5.1	81.1	-2.26		19.65	-17.09	Good;No Change;No Repair Needed
Y30	1/22/15 9:21	57.4	36	0.3	6.3	67.9	-2.54	-2.66	0	-22.7	Good;No Repair Needed;Slightly Open
Y30	1/22/15 9:23	57.2	35.8	0.3	6.7	77.7	-2.85		6.82	-25.21	2nd Reading;Good;No Repair Needed
Y30	2/3/15 9:41	61.6	37.5	0	0.9	79.5	-0.9	-1.29	6.25	-25.9	Good;No Repair Needed;Slightly Open
Y30	2/3/15 9:42	60.7	38.6	0	0.7	97.6	-1.9		12.85	-25.59	2nd Reading;Good;No Repair Needed
Y30	3/3/15 9:43	41.9	31.6	1.8	24.7	99.6	-4.51	-4.16	22.08	-16.23	Good;No Repair Needed;Slightly Closed
Y30	3/3/15 9:44	42.2	30.4	1.8	25.6	94.7	-3.81		7.74	-16.23	2nd Reading;Good;No Repair Needed
Y30	3/18/15 9:22	59	35.6	0.1	5.3	74.5	-4.13	-4.28	0	-16.75	Good;No Repair Needed;Slightly Open
Y30	3/18/15 9:23	58.9	36.3	0.1	4.7	80.6	-4.36		6.78	-13.9	2nd Reading;Good;No Repair Needed
Y30	4/2/15 9:31	49.4	31.2	0.5	18.9	91.7	-3.43		30.93	-19.55	Good;No Change;No Repair Needed
Y30	4/17/15 12:11	62.9	36.4	0	0.7	97.7	2.17	-0.06	0	-17.18	Good;No Repair Needed;Slightly Open
Y30	4/17/15 12:12	62.8	36.5	0	0.7	109.6	-0.62		23.87	-19.9	2nd Reading;Good;No Repair Needed
Y30	5/5/15 9:45	45.8	31.9	1.4	20.9	111.4	-10.66	-9.97	40.52	-25.59	Good;No Repair Needed;Slightly Closed
Y30	5/5/15 9:46	45.6	30.4	1.7	22.3	110.6	-9.62		29.6	-25.59	2nd Reading;Good;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y30	5/20/15 12:13	50	33.1	0.9	16	109.2	-5.44		15.91	-24.69	Good;No Change;No Repair Needed
Y30	6/1/15 11:58	35.6	29.7	1.7	33	107.9	-6.56	-6.21	14.46	-23.56	Fair;No Repair Needed;Slightly Closed
Y30	6/1/15 11:59	35.3	28.1	1.7	34.9	105	-5.65		8.53	-23.87	2nd Reading;Fair;No Repair Needed
Y30	6/16/15 12:21	51.2	32.8	0.1	15.9	103.4	-1.58		33.42	-17.91	Good;No Change;No Repair Needed
Y30	7/2/15 10:44	58.8	35.4	0	5.8	88	-1.76	-1.83	26.81	-14.72	Good;No Repair Needed;Slightly Open
Y30	7/2/15 10:45	58.7	36	0	5.3	90.9	-1.97		6.16	-14.5	2nd Reading;Good;No Repair Needed
Y30	7/27/15 12:29	56.6	35.6	0	7.8	102.1	-4.35	-4.41	13.01	-18.3	Good;No Repair Needed;Slightly Open
Y30	7/27/15 12:30	56.8	35.6	0	7.6	105.4	-4.58		8.55	-17.65	2nd Reading;Good;No Repair Needed
Y30	8/5/15 12:47	41.1	32.5	0.6	25.8	109.3	-8.15	-7.81	8.45	-27.36	Good;No Repair Needed;Slightly Closed
Y30	8/5/15 12:48	40.7	32.1	0.6	26.6	108.4	-7.46		7.57	-28.31	2nd Reading;Good;No Repair Needed
Y30	8/20/15 12:37	49.1	33.3	0	17.6	97	-2.51		5.48	-22.31	Good;No Change;No Repair Needed
Y30	9/4/15 9:41	48.2	32.8	0.3	18.7	95.7	-3.31		7.08	-25.98	Good;No Change;No Repair Needed
Y30	9/17/15 12:24	54.6	34.9	0.1	10.4	92.7	-2.45	-2.51	5.9	-25.12	Good;No Repair Needed;Slightly Open
Y30	9/17/15 12:26	54.9	35.6	0.1	9.4	94.3	-2.65		7.09	-24.08	2nd Reading;Good;No Repair Needed
Y30	10/1/15 13:09	48.1	32.2	0	19.7	84.6	-3.18		28.16	-28.1	Good;No Change;No Repair Needed
Y30	10/16/15 12:14	48.4	33.4	0.1	18.1	85.8	-3.46	-3.44	30.47	-28.01	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y30	10/16/15 12:15	49.5	34.4	0	16.1	85.6	-3.41		39.93	-27.06	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y30	11/3/15 10:41	51	32.4	0	16.6	82.2	-2.65		19.72	-22.62	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y30	11/18/15 10:49	50.4	32.9	0	16.7	75.4	-1.6		25.64	-28.14	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y30	12/4/15 12:15	48.3	32.2	0.5	19	68.9	-3.46		7.08	-28.79	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y30	12/16/15 10:09	51.6	33.7	0.4	14.3	68.9	-2.96		16.11	-24.17	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y31	12/5/14 9:27	57.6	35.9	0	6.5	90.3	-16.01		11.72	-15.88	Good;No Change;No Repair Needed
Y31	12/18/14 9:23	57.5	35.3	0	7.2	98.1	-18.25		13.56	-18.43	Good;No Change;No Repair Needed
Y31	1/22/15 9:33	54.3	37.4	0	8.3	102.8	-23.73		9.89	-23.52	Good;No Change;No Repair Needed
Y31	2/3/15 9:51	47.9	36.9	0	15.2	95.9	-24.07	-24.07	12.66	-24.21	Good;No Repair Needed;Slightly Closed
Y31	2/3/15 9:52	47.9	35.9	0	16.2	96.5	-24.07		16.58	-24.21	2nd Reading;Good;No Repair Needed
Y31	3/3/15 9:51	54.1	35.8	0	10.1	95	-15.53		15.77	-15.19	Good;No Change;No Repair Needed
Y31	3/18/15 9:31	59.1	36	0.3	4.6	88.4	-16.87		12.04	-17.13	Good;No Change;No Repair Needed
Y31	4/2/15 9:38	52.9	33.1	0.5	13.5	98.8	-19.59		16.43	-19.81	Good;No Change;No Repair Needed
Y31	4/17/15 12:16	54.3	35.5	0	10.2	104.1	-18.9		8.26	-18.99	Good;No Change;No Repair Needed
Y31	5/5/15 9:56	55.3	33.1	0.2	11.4	101.8	-25.15		18.22	-25.59	Good;No Change;No Repair Needed
Y31	5/20/15 12:21	55.4	35.4	0.1	9.1	104.5	-24.85		15.51	-25.25	Good;No Change;No Repair Needed
Y31	6/1/15 12:06	56.3	36.4	0	7.3	94.6	-23.55		20.77	-24.51	Good;No Change;No Repair Needed
Y31	6/16/15 12:30	56.9	36.3	0	6.8	106.7	-18.98		13.1	-19.29	Good;No Change;No Repair Needed
Y31	7/2/15 10:54	59.8	37.6	0	2.6	106.1	-22.35		22.17	-23.22	Good;No Change;No Repair Needed
Y31	7/27/15 12:39	60.4	37	0	2.6	108.8	-17.17		12.04	-17.26	Good;No Change;No Repair Needed
Y31	8/5/15 12:55	59.1	37.5	0	3.4	110.1	-28.13		9.77	-28.4	Good;No Change;No Repair Needed
Y31	8/20/15 12:43	56.3	37	0	6.7	107.2	-23.12		16.17	-23.82	Good;No Change;No Repair Needed
Y31	9/4/15 9:48	56.5	36.8	0.3	6.4	107.6	-25.93		10.61	-25.85	Good;No Change;No Repair Needed
Y31	9/17/15 12:34	55.9	36.6	0.1	7.4	110.3	-25.5		18.25	-25.94	Good;No Change;No Repair Needed
Y31	10/1/15 13:21	56.7	37.4	0	5.9	100	-28.26		13.07	-28.49	Good;No Change;No Repair Needed
Y31	10/16/15 12:26	56.2	36.9	0	6.9	101.8	-25.11		16.71	-25.55	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y31	11/3/15 10:47	55.4	35.7	0	8.9	109.4	-28.3		17.09	-28.87	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y31	11/18/15 10:56	55.2	36.3	0	8.5	103.1	-24.89		11.66	-25.98	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y31	12/4/15 12:24	55.6	35.9	0.1	8.4	101.3	-24.46		14.01	-24.64	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y31	12/16/15 10:17	56.3	36.1	0	7.6	105.4	-24.85		11.11	-25.08	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y33	12/5/14 10:10	44.4	31.9	2.1	21.6	116.6	-1.32	-1.27	8.95	-15.93	Fair;No Repair Needed;Slightly Closed
Y33	12/5/14 10:11	44.4	30.6	2.1	22.9	113.5	-1.23		7.16	-15.49	2nd Reading;Fair;No Repair Needed
Y33	12/18/14 10:05	38.3	31.4	3.4	26.9	89.4	-2		0	-17.61	Fair;No Change;No Repair Needed;valve barely cracked
Y33	1/22/15 10:22	29.4	25.6	3.1	41.9	99.6	-4.88		5.43	-18.56	Fair;No Change;No Repair Needed;valve barely cracked
Y33	2/3/15 10:40	23.6	22.2	4	50.2	99.8	-7.51		0	-20.11	Fair;No Change;No Repair Needed;valve barely cracked;well influence
Y33	3/3/15 10:44	31.9	26.7	1.4	40	56.7	-1.25		2.85	-14.16	Fair;No Change;No Repair Needed;valve barely cracked;well influence
Y33	3/18/15 10:14	47.2	29.5	0.1	23.2	66.7	-4.23		25.85	-15.41	Good;No Change;No Repair Needed;valve barely cracked
Y33	4/2/15 10:17	31.6	24.1	0.4	43.9	76.3	-3.66		2.78	-16.66	Fair;No Change;No Repair Needed;valve barely cracked
Y33	4/17/15 12:56	38.5	28	0	33.5	84.2	-4.37		8.72	-15.49	Good;No Change;No Repair Needed;valve barely cracked;well influence
Y33	5/5/15 12:49	33.2	28.3	0	38.5	95.5	-5.22		5.45	-19.55	Good;No Change;No Repair Needed;valve barely cracked;well influence
Y33	5/20/15 13:09	26.2	25.7	0	48.1	88.8	-4.12		0	-19.68	Good;No Change;No Repair Needed
Y33	6/1/15 12:49	26	26	0.1	47.9	83.6	-3.51		23.29	-20.41	Fair;No Change;No Repair Needed;valve barely cracked
Y33	6/16/15 13:18	34.1	28	0	37.9	101.4	-2.17		35.27	-15.54	Good;No Repair Needed;Slightly Closed
Y33	6/16/15 13:19	34.1	28.4	0	37.5	100.8	-2.16		27.45	-15.49	2nd Reading;Good;No Repair Needed
Y33	7/2/15 12:51	47.2	31.3	0.1	21.4	91.7	-2.74		3.89	-15.54	Fair;No Change;No Repair Needed;valve barely cracked
Y33	7/27/15 13:28	49.7	34.2	0.2	15.9	101.1	-2.68		9.45	-15.58	Good;No Change;No Repair Needed
Y33	8/5/15 13:42	42.7	31.3	0	26	107.4	-5.44	-5.35	8.93	-21.75	Good;No Repair Needed;Slightly Closed
Y33	8/5/15 13:44	41.6	34	0	24.4	107	-5.35		6.6	-20.76	2nd Reading;Good;No Repair Needed
Y33	8/20/15 13:35	38.2	31	0.1	30.7	101.5	-3.72		7.19	-18.17	Good;No Change;No Repair Needed;valve barely cracked
Y33	9/4/15 10:40	39.9	31.6	0.3	28.2	104.4	-3.78		7.64	-20.11	Fair;No Change;No Repair Needed;valve barely cracked
Y33	9/17/15 13:24	43.6	33.7	0.1	22.6	103.8	-2.74		8.19	-23.65	Good;No Change;No Repair Needed;valve barely cracked
Y33	10/1/15 14:39	44.3	34.7	0	21	86.9	-3.06		5.53	-18.6	Good;No Change;No Repair Needed;valve barely cracked;well influence
Y33	10/16/15 13:39	40.5	33.3	0	26.2	91.8	-4.09	-4.06	0	-19.98	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y33	10/16/15 13:41	40.9	32.9	0	26.2	91.2	-4.03		2.74	-20.03	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y33	11/3/15 11:17	37	30.1	0	32.9	92.5	-3.72		8.37	-21.75	Valve Comment:"valve barely cracked ";Valve Adjustment:"No Change";Well Comment:"well influence ";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y33	11/18/15 12:48	37.5	30	0	32.5	77.4	-1.81		5.8	-17.48	Valve Comment:"valve barely cracked ";Valve Adjustment:"No Change";Well Comment:"well influence ";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y33	12/4/15 13:08	33.2	27.7	0.1	39	76.5	-5.48		2.88	-22.23	Valve Comment:"valve barely cracked ";Valve Adjustment:"No Change";Well Comment:"well influence ";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y33	12/16/15 12:36	36.8	28.5	0	34.7	82.6	-3.07		2.89	-20.24	Valve Comment:"valve barely cracked ";Valve Adjustment:"No Change";Well Comment:"well influence ";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y34	12/5/14 9:30	57.1	35.9	0.2	6.8	103.6	-5.78		20.44	-15.58	Good;No Change;No Repair Needed
Y34	12/18/14 9:25	57.7	36.4	0	5.9	103	-6.86		30.93	-18.86	Good;No Change;No Repair Needed
Y34	1/22/15 9:35	50.8	36	0.2	13	102.8	-8.54		67.37	-24.82	Good;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y34	2/3/15 9:56	45.3	34.8	0.3	19.6	100.2	-9.97	-9.53	0	-24.56	Good;No Repair Needed;Slightly Closed
Y34	2/3/15 9:57	44.7	34.7	0.4	20.2	98.4	-8.89		23.23	-23.82	2nd Reading;Good;No Repair Needed
Y34	3/3/15 9:53	53.5	34.7	0	11.8	96.9	-3.19		14.63	-15.58	Good;No Change;No Repair Needed
Y34	3/18/15 9:35	59.8	35.5	0.5	4.2	97.7	-4.86		64.14	-16.79	Good;No Change;No Repair Needed
Y34	4/2/15 9:40	52.7	33	0.4	13.9	100.7	-4.19		42.66	-19.16	Good;No Change;No Repair Needed
Y34	4/17/15 12:18	54.8	33.5	0.3	11.4	101.3	-4.5		19.49	-19.29	Good;No Change;No Repair Needed
Y34	5/5/15 9:58	48.7	31.4	0.2	19.7	102.8	-5.48		18.31	-22.79	Good;No Change;No Repair Needed
Y34	5/20/15 12:23	51.1	32.9	0.2	15.8	103	-4.26		20.53	-23.39	Good;No Change;No Repair Needed
Y34	6/1/15 12:09	54.3	33.9	0.2	11.6	102.5	-3.94		20.55	-24.26	Good;No Change;No Repair Needed
Y34	6/16/15 12:32	57	36.1	0.1	6.8	104.7	-2.89	-3.07	17.21	-19.59	Good;No Repair Needed;Slightly Open
Y34	6/16/15 12:34	56.8	36.8	0	6.4	105.2	-3.28		28.31	-17.95	2nd Reading;Good;No Repair Needed
Y34	7/2/15 10:57	57.1	36.4	0	6.5	103.2	-4.25	-4.58	23.4	-21.88	Good;No Repair Needed;Slightly Open
Y34	7/2/15 10:58	57.8	37.6	0	4.6	103.6	-4.72		20.49	-19.85	2nd Reading;Good;No Repair Needed
Y34	7/27/15 12:41	56.5	36.9	0.3	6.3	105.8	-4.92		14.45	-16.92	Good;No Change;No Repair Needed
Y34	8/5/15 12:57	50.2	35	0.2	14.6	106.4	-7.42		28.72	-29.69	Good;No Change;No Repair Needed
Y34	8/20/15 12:45	51.8	35	0.2	13	105.4	-6.08		34.72	-23.26	Good;No Change;No Repair Needed
Y34	9/4/15 9:51	51.4	35.6	0.5	12.5	107.1	-6.51		23.78	-24.43	Good;No Change;No Repair Needed
Y34	9/17/15 12:36	52.8	36.3	0.4	10.5	107.2	-5.74		20.64	-25.85	Good;No Change;No Repair Needed
Y34	10/1/15 13:24	54.7	36.7	0	8.6	103.8	-6.17		87.28	-27.45	Good;No Change;No Repair Needed
Y34	10/16/15 12:29	50.9	36	0.3	12.8	104.4	-6.13		6.52	-29.52	Valve Adjustment:"No Change";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y34	11/3/15 10:49	52.1	36.2	0.4	11.3	101	-6.31		69.64	-27.65	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y34	11/18/15 10:59	54.6	35.3	0.4	9.7	104.2	-5.48	-5.48	27.53	-28.49	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y34	11/18/15 11:00	54.9	36.2	0.2	8.7	104.5	-5.52		25.75	-27.02	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y34	12/4/15 12:26	50.5	34.2	0.7	14.6	103.1	-8.2		13.67	-28.44	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y34	12/16/15 10:20	50	35.4	0.2	14.4	104.5	-7.89		32.81	-24.38	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y35	12/5/14 10:06	57.8	34.4	0	7.8	135.6	-2.14	-2.16	12.43	-15.24	19562;Good;No Change;No Repair Needed
Y35	12/5/14 10:07	57.1	36	0	6.9	135.3	-2.17		34.15	-15.54	2nd Reading;Good;No Repair Needed
Y35	12/5/14 10:28	57.5	37.1	0	5.4	136.3	-2.16	-2.04	9.93	-15.84	Good;No Repair Needed;Slightly Closed
Y35	12/5/14 10:30	58.2	37.3	0	4.5	130.2	-1.45		6.53	-15.49	2nd Reading;Good;No Repair Needed
Y35	12/18/14 10:02	50.6	34.8	0.6	14	95	-1.45		4.76	-17.61	19652;Good;No Change;No Repair Needed
Y35	1/22/15 10:18	56.5	35.7	1	6.8	85.5	-4.07		4.77	-18.6	19652;Good;No Change;No Repair Needed
Y35	2/3/15 10:32	57.9	35.5	0	6.6	73.6	-5.44	-5.44	0	-20.46	19652;Good;No Repair Needed;Slightly Open
Y35	2/3/15 10:33	57.7	36.1	0	6.2	78.2	-5.48		2.76	-21.1	2nd Reading;Fair;No Repair Needed
Y35	3/3/15 10:40	59.3	35.6	0	5.1	92.3	-0.66	-0.77	0	-14.5	19652;Good;No Repair Needed;Slightly Open
Y35	3/3/15 10:41	59.3	36	0	4.7	95.8	-0.83		13.76	-14.16	2nd Reading;Good;No Repair Needed
Y35	3/18/15 10:11	51	34	1.1	13.9	113.6	-3.71		5.38	-15.41	19652;Good;No Change;No Repair Needed
Y35	4/2/15 10:14	14	18.4	2.7	64.9	107.4	-2.57	-2.53	0	-17.22	19654;Fair;Pump Maintenance Required;Slightly Closed
Y35	4/2/15 10:15	14.1	15.4	2.9	67.6	101.3	-2.36		0	-16.92	2nd Reading;Fair;Pump Maintenance Required
Y35	4/17/15 12:53	48.3	28.9	2.3	20.5	81.4	-3.04		6.79	-15.54	19654;Good;No Change;Pump Maintenance Required;valve barely cracked
Y35	5/5/15 12:46	57.4	30.5	0.5	11.6	91.1	-3.18		4.76	-21.02	19654;Good;No Change;No Repair Needed
Y35	5/20/15 13:06	50.9	32.8	0.5	15.8	102.2	-2.23		6.1	-20.59	19654;Good;No Change;No Repair Needed
Y35	6/1/15 12:46	49.4	31.5	1.2	17.9	103.6	-1.76		9.45	-20.63	19654;Good;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y35	6/16/15 13:14	49	32.5	1.2	17.3	113	-0.92		8.13	-16.75	19654;Good;No Change;No Repair Needed
Y35	7/2/15 12:47	56.9	35.2	0.2	7.7	104.8	-1.45		35.23	-16.4	19654;Good;No Change;No Repair Needed
Y35	8/5/15 13:39	37.5	24.2	2.1	36.2	120.7	-2.57	-2.3	8.48	-21.06	19686;Good;No Repair Needed;Slightly Closed
Y35	8/5/15 13:40	38.4	23	2.3	36.3	118.6	-2.09		5.38	-21.75	2nd Reading;Good;No Repair Needed
Y35	8/20/15 13:32	50.4	29.6	2.1	17.9	91.5	-1.18		4.78	-17.91	19686;Good;No Change;No Repair Needed
Y35	9/4/15 10:37	52.4	32.1	2.1	13.4	96.3	-1.23		7.12	-22.53	19686;Good;No Change;No Repair Needed
Y35	9/17/15 13:21	54.9	34.7	0.8	9.6	95.4	-0.48		7.7	-23.09	20242;Good;No Change;No Repair Needed
Y35	10/1/15 14:32	58	38	0.1	3.9	61.9	-0.78	-0.82	16.2	-17.78	20242;Good;No Repair Needed;Slightly Open
Y35	10/16/15 13:34	59.4	38.2	0.1	2.3	75	-1.85	-1.93	2.75	-19.64	Valve Comment:"21926";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y35	10/16/15 13:35	59.3	38.5	0.1	2.1	79.2	-2.05		5.73	-20.67	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y35	11/3/15 11:13	57.8	36.2	0	6	97	-1.78	-1.86	10.62	-21.06	Valve Comment:"21926";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y35	11/3/15 11:14	60	37.7	0	2.3	100.8	-2.06		17.25	-22.62	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y35	11/18/15 12:44	56.4	37	0	6.6	106.2	-0.39	-0.46	7.13	-17.74	Valve Comment:"25251";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y35	11/18/15 12:45	56.9	37.9	0	5.2	106.3	-0.46		7.13	-18.3	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y35	12/4/15 13:04	55.8	35.4	0.2	8.6	92.3	-3.41	-3.48	8.67	-21.02	Valve Comment:"26087";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y35	12/4/15 13:05	57.7	36.7	0.1	5.5	95.5	-3.59		8.17	-24.38	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y35	12/16/15 12:32	55.1	35.5	0.3	9.1	111.4	-1.67	-1.75	24.28	-21.88	Valve Comment:"27203";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y35	12/16/15 12:33	55.2	36.2	0.3	8.3	113.4	-1.83		5.8	-20.59	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y36	12/5/14 9:58	56.9	34.4	0	8.7	125.8	-14.11		41.74	-15.49	Good;No Change;No Repair Needed
Y36	12/18/14 9:53	57.9	36.3	0	5.8	124.9	-15.14		33.35	-16.23	Good;No Change;No Repair Needed
Y36	1/22/15 10:08	57.6	35.3	0	7.1	123.7	-17.04		34.6	-17.82	Good;No Change;No Repair Needed
Y36	2/3/15 10:22	53.8	36.5	0	9.7	123.5	-19.72		26.62	-20.41	Good;No Change;No Repair Needed
Y36	3/3/15 10:30	56.8	35.3	0	7.9	123.7	-13.2		35.13	-14.03	Good;No Change;No Repair Needed
Y36	3/18/15 10:02	58.8	35.2	0.1	5.9	123.6	-14.54		25.56	-15.41	Good;No Change;No Repair Needed
Y36	4/2/15 10:05	53	33.5	0.3	13.2	124.9	-15.79		31.76	-16.92	Good;No Change;No Repair Needed
Y36	4/17/15 12:44	53.7	34.7	0	11.6	124	-14.75		30.13	-15.45	Good;No Change;No Repair Needed
Y36	5/5/15 10:27	55.2	34.1	0	10.7	125.7	-19.33		36.65	-20.37	Good;No Change;No Repair Needed
Y36	5/20/15 12:55	50.4	33	0.1	16.5	125.7	-18.21		41.79	-19.94	Good;No Change;No Repair Needed
Y36	6/1/15 12:37	49	33.5	0	17.5	126	-19.33		42.51	-20.37	Good;No Change;No Repair Needed
Y36	6/16/15 13:04	50.3	33.8	0	15.9	126.3	-15.19		33.11	-16.18	Good;No Change;No Repair Needed
Y36	7/2/15 11:31	54	35.3	0	10.7	124.9	-15.36		30.17	-15.88	Good;No Change;No Repair Needed
Y36	7/27/15 13:15	52.9	35.2	0	11.9	126.4	-16.48		46.17	-18.34	Good;No Change;No Repair Needed
Y36	8/5/15 13:28	50.7	35.2	0	14.1	126.3	-19.2		26.47	-19.34	Good;No Change;No Repair Needed
Y36	8/20/15 13:22	48.3	34.5	0.1	17.1	125.8	-17.82		33.3	-18.95	Good;No Change;No Repair Needed
Y36	9/4/15 10:26	50.7	34.5	0.4	14.4	128.1	-18.03		37.38	-19.12	Good;No Change;No Repair Needed
Y36	9/17/15 13:11	52.1	34.8	0.1	13	128.3	-21.23		49.27	-22.87	Good;No Change;No Repair Needed
Y36	10/1/15 14:13	51.5	35.2	0	13.3	126.9	-16.87		46.5	-18.69	Good;No Change;No Repair Needed
Y36	10/1/15 14:33	57.9	37.9	0	4.2	65.5	-0.84		32.39	-17.26	2nd Reading;Good;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H2O)	Init Flow (scfm)	System Pressure ("H2O)	Comments
Y36	10/16/15 13:04	51.5	35.7	0	12.8	126.1	-18.16		15.73	-18.26	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y36	11/3/15 11:07	50.5	33.1	0	16.4	127.2	-20.02		45.66	-22.18	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y36	11/18/15 12:36	50.5	34.5	0	15	126.7	-18.59		46.55	-20.37	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y36	12/4/15 12:55	54.5	34.7	0.1	10.7	126.3	-21.44		34.82	-22.79	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y36	12/16/15 10:54	54	34.5	0	11.5	126.1	-18.46		36.5	-19.55	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y37	12/5/14 9:51	56.5	35.2	0	8.3	83.6	-3.84		11.39	-15.24	Good;No Change;No Repair Needed
Y37	12/18/14 9:47	56.9	35.9	0	7.2	82.1	-5.18		14.06	-17.22	Good;No Change;No Repair Needed
Y37	1/22/15 10:00	57.7	36.3	0	6	81.7	-7.89	-8.2	11.94	-18.64	Good;No Repair Needed;Slightly Open
Y37	1/22/15 10:01	56.9	33.1	0	10	82.1	-8.2		13.12	-18.21	2nd Reading;Good;No Repair Needed
Y37	2/3/15 10:17	51.5	35.9	0	12.6	80.6	-12.34		9.78	-20.8	Good;No Change;No Repair Needed
Y37	3/3/15 10:21	58.6	34	0	7.4	81.2	-5.74	-6.08	12.32	-14.98	Good;No Repair Needed;Slightly Open
Y37	3/3/15 10:22	58.7	33.4	0	7.9	83.2	-6.13		16.49	-14.8	2nd Reading;Good;No Repair Needed
Y37	3/18/15 9:57	64.3	34.3	0	1.4	84.5	-8.93		12.19	-15.28	Good;No Change;No Repair Needed
Y37	4/2/15 10:00	54	33.1	0.2	12.7	86.1	-9.23		10.17	-16.75	Good;No Change;No Repair Needed
Y37	4/17/15 12:39	57.6	35.1	0	7.3	87.3	-8.54		11.54	-15.54	Good;No Change;No Repair Needed
Y37	5/5/15 10:20	55.8	33	0	11.2	88.6	-12.73	-13.07	15.45	-21.06	Good;No Repair Needed;Slightly Open
Y37	5/5/15 10:21	55.7	32.9	0	11.4	89	-13.42		18.79	-20.46	2nd Reading;Good;No Repair Needed
Y37	5/20/15 12:48	51.9	33.2	0.2	14.7	88.7	-13.03		12.89	-20.16	Good;No Change;No Repair Needed
Y37	6/1/15 12:32	50.7	33.3	0	16	88.6	-13.42		21.48	-20.76	Good;No Change;No Repair Needed
Y37	6/16/15 12:59	52.1	33.5	0	14.4	91.9	-10.4		12.65	-16.23	Good;No Change;No Repair Needed
Y37	7/2/15 11:23	54.9	34.4	0	10.7	88.2	-11.3	-11.65	14.29	-18.95	Good;No Repair Needed;Slightly Open
Y37	7/2/15 11:24	54.7	34	0	11.3	88.3	-11.99		25.14	-19.03	2nd Reading;Good;No Repair Needed
Y37	7/27/15 13:08	56.9	35.7	0	7.4	90.2	-11.35	-12.04	15.71	-15.24	Good;No Repair Needed;Slightly Open
Y37	7/27/15 13:09	56.7	35.1	0	8.2	90.2	-12.34		27.41	-14.89	2nd Reading;Good;No Repair Needed
Y37	8/5/15 13:24	53.2	36.1	0	10.7	90.7	-17.82		26.89	-21.06	Good;No Change;No Repair Needed
Y37	8/20/15 13:12	50.2	34.7	0	15.1	90	-17.13		25.75	-21.92	Good;No Change;No Repair Needed
Y37	9/4/15 10:18	49.7	34.1	0.3	15.9	89.6	-15.75		20.21	-18.43	Good;No Change;No Repair Needed
Y37	9/17/15 13:05	50.1	30.1	0.1	19.7	90.1	-18.16		27	-22.74	Good;No Change;No Repair Needed
Y37	10/1/15 14:05	49.8	35.3	0	14.9	86.7	-14.93		29.53	-18.73	Good;No Change;No Repair Needed
Y37	10/16/15 12:57	48.8	34.4	0	16.8	87.6	-17.82		29.62	-22.74	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y37	11/3/15 11:03	47.8	33.2	0	19	88	-16.82	-16.48	18.83	-19.68	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y37	11/3/15 11:04	47.9	32.7	0	19.4	88	-16.13		23.65	-19.25	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y37	11/18/15 12:30	46.9	33.5	0.1	19.5	86.9	-14.02	-13.63	24.37	-20.11	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y37	11/18/15 12:31	47.2	32.9	0.1	19.8	86.7	-13.29		21.66	-19.42	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y37	12/4/15 12:50	47.9	32.8	0.1	19.2	86	-16.87	-16.7	23.38	-23.26	Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y37	12/4/15 12:51	48.1	32.4	0.1	19.4	85.6	-16.18		22.57	-22.87	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y37	12/16/15 10:48	49.1	34	0	16.9	85.8	-13.24		24.75	-22.96	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y55	12/5/14 8:59	57.8	37.5	0	4.7	108.1	-18.21		28.67	-18.3	2052;Good;No Change;No Repair Needed
Y55	12/18/14 8:57	57.3	37.2	0	5.5	107.4	-20.32		26.71	-20.33	2053;Good;No Change;No Repair Needed
Y55	1/8/15 9:31	58.3	34	0.3	7.4	105	-23.08		31.4	-22.87	2053;Good;No Change;No Repair Needed
Y55	1/22/15 8:51	57.4	37.1	0.1	5.4	106.3	-24.89		27.15	-24.86	2179;Good;No Change;No Repair Needed
Y55	2/3/15 9:12	57.3	36.8	0.1	5.8	105	-26.53		28.37	-26.93	7651;Fair;No Change;Pump Maintenance Required
Y55	3/3/15 9:23	62.7	36.4	0	0.9	105.3	-18.03		26.53	-18.26	7663;Good;No Change;No Repair Needed
Y55	3/18/15 8:59	60.7	35.3	0.3	3.7	105.4	-18.51		25.04	-18.6	7663;Fair;No Change;Pump Maintenance Required
Y55	4/2/15 9:00	56.1	33.9	1.7	8.3	106.5	-22.35		18.26	-22.44	7663;Good;No Change;Pump Maintenance Required
Y55	4/17/15 11:07	62.3	36.2	0	1.5	106.5	-20.06		26.49	-20.2	7663;Good;No Change;Pump Maintenance Required
Y55	5/5/15 9:23	62.2	35.7	0	2.1	107.3	-26.53		27.73	-26.63	7663;Good;No Change;No Repair Needed
Y55	5/20/15 10:43	61.1	38.7	0	0.2	106.7	-18.55	-19.93	27.35	-26.28	Good;No Repair Needed;Slightly Open
Y55	5/20/15 10:44	61.6	38.1	0	0.3	107	-21.61		28.33	-27.71	2nd Reading;Good;No Repair Needed
Y55	6/1/15 10:41	61.4	38.2	0	0.4	105.8	-25.15		30.06	-26.24	7838;Good;No Change;No Repair Needed
Y55	6/16/15 10:41	60.7	38.3	0	1	107.6	-20.53		20.57	-21.32	8091;Good;No Change;No Repair Needed
Y55	7/2/15 9:24	61.2	38.8	0	0	106.7	-24.85		28.57	-26.24	8541;Good;No Change;No Repair Needed
Y55	7/27/15 11:11	59.6	37.3	0	3.1	107	-18.55		24.17	-19.16	Good;No Change;No Repair Needed
Y55	8/5/15 11:00	60.3	37.3	0	2.4	107.9	-29.47		33.97	-30.77	9249;Good;No Change;No Repair Needed
Y55	8/20/15 10:52	59.6	38	0.1	2.3	106.5	-20.45		21.4	-20.98	9425;Good;No Change;No Repair Needed
Y55	9/4/15 8:31	57.3	35.8	0.4	6.5	107.8	-29.38		31.78	-30.77	9894;Good;No Change;No Repair Needed
Y55	9/17/15 10:37	59.7	38.6	0.3	1.4	107.8	-29.38		34.32	-31.16	10043;Good;No Change;No Repair Needed
Y55	10/1/15 10:52	59.2	39.7	0.2	0.9	105.1	-29.34		31.9	-30.6	10171;Good;No Change;No Repair Needed
Y55	10/16/15 9:47	56.9	32.2	0.2	10.7	105.6	-25.88		29.4	-26.8	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y55	11/3/15 8:59	60.1	36.5	0	3.4	105.1	-29.64		23.63	-30.9	Valve Comment:"10466";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y55	11/18/15 9:48	57.3	35.9	0	6.8	105.4	-29.29		33.9	-31.81	Valve Comment:"10624";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y55	12/4/15 9:21	60.8	36.4	0	2.8	103.3	-24.55		26.13	-25.46	Valve Comment:"10624";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y55	12/16/15 9:07	61.2	38.1	0	0.7	104.5	-25.5		23.19	-26.41	Valve Comment:"10765";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y56	12/5/14 8:40	56.8	37.1	0	6.1	83.6	-16.01		32.85	-18.3	Good;No Change;No Repair Needed
Y56	12/18/14 8:43	57.7	37.3	0	5	75.7	-17.9		8.06	-19.46	59805;Good;No Change;No Repair Needed
Y56	1/8/15 9:14	56.5	35.5	0.4	7.6	74.6	-21.05		19.6	-3.8	60609;Fair;No Change;No Repair Needed
Y56	1/22/15 8:36	57.6	37	0.1	5.3	84.1	-22.78		6.45	-25.51	Fair;force main restricted;No Change;No Repair Needed
Y56	2/3/15 8:55	57.9	36.8	0.1	5.2	78.7	-23.12		19.24	-25.9	62086;Fair;force main restricted;No Change;No Repair Needed
Y56	3/3/15 9:07	58	35.7	0.1	6.2	77.2	-16.09		8.94	-18.26	63197;force main restricted;Good;No Change;No Repair Needed
Y56	3/18/15 8:43	59.7	36	0.4	3.9	74.8	-17.95		7.6	-17.95	63812;Fair;force main restricted;No Change;No Repair Needed
Y56	4/2/15 8:46	47.4	28.7	4.2	19.7	80.8	-23.04		8.75	-22.83	64520;Fair;force main restricted;No Change;No Repair Needed
Y56	4/17/15 10:59	52.1	35	2.7	10.2	89	-20.28		20.6	-20.37	65012;Good;No Change;Pump Maintenance Required
Y56	5/5/15 9:10	53.4	35.1	1.7	9.8	87.7	-26.88		20.44	-26.97	65991;Good;No Change;No Repair Needed
Y56	6/1/15 10:32	51.3	35.4	2.5	10.8	89.7	-23.47		40.16	-26.54	67183;Good;No Change;No Repair Needed
Y56	6/16/15 10:31	56.1	38.7	1	4.2	95.2	-19.28		38.46	-21.75	91165;Good;No Change;No Repair Needed
Y56	7/2/15 9:15	60.4	39.6	0	0	87.4	-17.17		0	-17.61	93202;Good;No Change;No Repair Needed
Y56	7/27/15 11:03	56.3	34.2	1.1	8.4	94.5	-25.15		0	-26.59	104095;Good;No Change;No Repair Needed
Y56	8/5/15 10:48	60.2	38	0	1.8	98.7	-29.81		0	-31.42	105155;Good;No Change;No Repair Needed
Y56	8/20/15 10:44	55.2	39.8	0.7	4.3	94	-25.5		0	-26.59	105818;Good;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y56	9/4/15 8:38	53.9	34.2	1.2	10.7	96.8	-29.98		0	-31.12	115498;Fair;No Change;No Repair Needed
Y56	9/17/15 10:39	55.7	37.4	1	5.9	96.3	-29.64		0	-30.82	115901;Good;No Change;No Repair Needed
Y56	10/1/15 10:54	56.5	38	1.1	4.4	87.1	-29.98		0	-30.77	115901;Fair;No Change;No Repair Needed
Y56	10/16/15 9:53	59.6	37.9	0	2.5	86.7	-30.03		0	-31.64	Valve Comment:"115901";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y56	11/3/15 9:02	59.2	37.8	0	3	87.8	-29.68		0	-30.6	Valve Comment:"115901";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y56	11/18/15 9:51	58.2	37.3	0	4.5	86.4	-27.22		0	-28.7	Valve Comment:"116172";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"Pump Maintenance Required"
Y56	12/4/15 9:24	57.8	36.6	0.7	4.9	81.1	-24.55		0	-25.42	Valve Comment:"116920";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y56	12/16/15 9:09	56.7	37.9	0.6	4.8	83.7	-25.19		0	-26.11	Valve Comment:"117647";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y57	12/5/14 8:31	57.6	35.6	0.1	6.7	88	-7.51		10.56	-16.23	11491;Good;No Change;No Repair Needed
Y57	12/18/14 8:36	57.8	36.6	0	5.6	87.6	-10.66		14.57	-21.19	11721;Good;No Change;No Repair Needed
Y57	1/8/15 9:03	51.3	34	0.5	14.2	86	-14.41		12.01	-24.43	11949;Good;No Change;No Repair Needed
Y57	1/22/15 8:28	54.4	34.5	0	11.1	91.2	-15.62	-16.13	12.21	-25.21	12209;Good;No Repair Needed;Slightly Open
Y57	1/22/15 8:29	54.2	35.2	0	10.6	92.6	-17.17		15.68	-24.82	2nd Reading;Good;No Repair Needed
Y57	2/3/15 8:46	54.9	35.7	0	9.4	90.1	-19.5	-20.28	12.93	-26.93	12424;Good;No Repair Needed;Slightly Open
Y57	2/3/15 8:46	54.3	35.7	0	10	91.3	-20.97		16.82	-26.89	2nd Reading;Good;No Repair Needed
Y57	3/3/15 8:58	60.1	35	0	4.9	90.1	-14.84	-15.75	20.52	-18.3	12951;Good;No Repair Needed;Slightly Open
Y57	3/3/15 8:59	60.5	35.3	0	4.2	91.3	-16.31		38.71	-18.3	2nd Reading;Good;No Repair Needed
Y57	3/18/15 8:35	59.9	35.3	0.4	4.4	88.4	-17.08		31.92	-18.17	13244;Good;No Change;No Repair Needed
Y57	4/2/15 8:38	47.7	30	1.8	20.5	92.4	-21.05		0	-22.87	13596;Good;No Change;No Repair Needed
Y57	4/17/15 10:51	59.5	35.6	0	4.9	93.4	-19.24		13.69	-20.07	13845;Good;No Change;No Repair Needed
Y57	5/5/15 9:03	48.4	34.1	0.1	17.4	95.4	-25.15		13.94	-27.28	14388;Good;No Change;No Repair Needed
Y57	5/20/15 10:17	46.8	32.4	0	20.8	95.6	-22.82	-21.87	16.68	-26.63	14639;Good;No Repair Needed;Slightly Closed
Y57	5/20/15 10:18	47	32.5	0	20.5	94.2	-19.59		10.52	-26.67	2nd Reading;Good;No Repair Needed
Y57	6/1/15 10:22	49	32.1	0	18.9	92.8	-13.63		13.37	-26.41	14883;Good;No Change;No Repair Needed
Y57	6/16/15 10:21	47.3	33.3	0	19.4	96.9	-12.38	-12.08	22.83	-22.05	15148;Good;No Repair Needed;Slightly Closed
Y57	6/16/15 10:22	48.4	33.7	0	17.9	96.7	-11.69		10.37	-22.14	2nd Reading;Good;No Repair Needed
Y57	7/2/15 9:04	54.1	35.3	0	10.6	92.1	-9.58	-10.27	7.64	-19.68	15389;Good;No Repair Needed;Slightly Open
Y57	7/2/15 9:05	54.1	36.4	0	9.5	93.1	-11		35.99	-19.03	2nd Reading;Good;No Repair Needed
Y57	7/27/15 10:56	49.5	32.6	2.3	15.6	92.8	-12.34		12.29	-19.34	324727;Fair;No Change;Pump Maintenance Required
Y57	8/5/15 10:39	45.8	33.5	1.4	19.3	97.9	-18.29	-17.99	11.16	-30.73	324749;Good;Pump Maintenance Required;Slightly Closed
Y57	8/5/15 10:40	50.3	35.7	0.2	13.8	98.5	-17.26		10.86	-30.82	2nd Reading;Good;No Repair Needed
Y57	8/20/15 10:35	48.8	33.7	0	17.5	95.4	-12.6		10.36	-21.06	325430;Good;No Change;No Repair Needed
Y57	9/4/15 9:15	43.3	32.3	0.2	24.2	96.3	-15.01	-14.06	11.23	-29.13	326588;Good;No Repair Needed;Slightly Closed
Y57	9/4/15 9:16	44.8	33.8	0.2	21.2	96.1	-13.07		6.31	-29.52	2nd Reading;Good;No Repair Needed
Y57	9/17/15 11:16	57.1	36.3	0.2	6.4	96.1	-7.94	-8.58	11.07	-30.82	Good;No Repair Needed;Slightly Open
Y57	9/17/15 11:17	55.8	36.4	0.2	7.6	96.6	-9.28		14.52	-30.25	2nd Reading;Good;No Repair Needed
Y57	10/1/15 11:56	51	34.2	0.1	14.7	79.7	-12.04		7.82	-30.38	330943;Good;No Change;No Repair Needed
Y57	10/16/15 10:45	53.4	35.7	0	10.9	90.3	-11.35		8.96	-25.42	Valve Comment:"369353";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y57	11/3/15 10:09	53.2	34.6	0	12.2	91.2	-11.69		15.86	-30.95	Valve Comment:"370540";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y57	11/18/15 10:00	52.2	36.4	0	11.4	89.8	-9.88		9.85	-26.5	Valve Comment:"373085";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y57	12/4/15 10:05	56.9	35.2	0	7.9	81	-11.17	-12.42	8.96	-30.6	Valve Comment:"534684";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y57	12/4/15 10:05	57.2	35.7	0	7.1	85.6	-14.93		14.04	-30.6	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y57	12/16/15 9:42	49.8	34.5	0	15.7	90.7	-18.68		10.77	-26.07	Valve Comment:"534684";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y58	12/5/14 8:29	55	33.4	0.8	10.8	102	-5.48		24.65	-16.23	303;Good;No Change;No Repair Needed
Y58	12/18/14 8:33	57	34.7	0.8	7.5	101	-7.2		20.36	-19.59	303;Good;No Change;No Repair Needed
Y58	1/8/15 9:01	53.3	33.5	1.1	12.1	98.3	-8.24		26.14	-24.56	303;Good;No Change;No Repair Needed
Y58	1/22/15 8:25	53.7	34.4	1.3	10.6	99.8	-9.23		31.09	-24.43	303;Good;No Change;No Repair Needed
Y58	2/3/15 8:43	55.9	35.2	1.1	7.8	99.9	-9.92		23.53	-27.06	303;Good;No Change;No Repair Needed
Y58	3/3/15 8:54	59.3	34.2	0.6	5.9	98.4	-4.98	-6.43	22.9	-18.56	514;Good;No Repair Needed;Slightly Open
Y58	3/3/15 8:55	59.5	35.2	0.6	4.7	99.6	-7.46		31.35	-18.43	2nd Reading;Good;No Repair Needed
Y58	3/18/15 8:32	59.8	34.7	0.8	4.7	98.1	-10.96	-11.69	20.57	-18.13	1099;Good;No Repair Needed;Slightly Open
Y58	3/18/15 8:33	59.8	35	0.7	4.5	98.7	-12.51		26.66	-18.69	2nd Reading;Good;No Repair Needed
Y58	4/2/15 8:36	53.7	31.1	1.2	14	99.4	-15.57		23.8	-23.09	2327;Good;No Change;No Repair Needed
Y58	4/17/15 10:47	60.8	35.6	0	3.6	99.9	-15.62	-16.48	29.43	-20.59	2950;Good;No Repair Needed;Slightly Open
Y58	4/17/15 10:48	61.1	35.7	0	3.2	100	-16.78		34.25	-20.76	2nd Reading;Good;No Repair Needed
Y58	5/5/15 9:01	53	34.7	0.1	12.2	99.8	-21.18		40.11	-27.71	3346;Good;No Change;No Repair Needed
Y58	5/20/15 10:14	49.4	33.1	0.2	17.3	100.2	-20.28		42.42	-27.62	3625;Good;No Change;No Repair Needed
Y58	6/1/15 10:18	47.4	32.6	0.3	19.7	99.8	-20.02	-19.76	38.85	-27.06	3636;Good;No Repair Needed;Slightly Closed
Y58	6/1/15 10:19	47.3	32.1	0.3	20.3	99.8	-19.59		35.97	-27.02	2nd Reading;Good;No Repair Needed
Y58	6/16/15 10:18	50.4	34.3	0.2	15.1	100.4	-15.83		39.87	-23.18	3636;Good;No Change;No Repair Needed
Y58	7/2/15 9:01	51.6	35.2	0.2	13	99.6	-18.21		41.19	-26.24	3636;Good;No Change;No Repair Needed
Y58	7/27/15 10:52	56.3	35.6	0.2	7.9	100	-14.24	-14.75	35.38	-19.34	4159;Good;No Repair Needed;Slightly Open
Y58	7/27/15 10:53	56.2	36.2	0.2	7.4	100	-15.1		35.7	-19.68	2nd Reading;Good;No Repair Needed
Y58	8/5/15 10:34	47.7	32.5	0.3	19.5	100.8	-23.25	-22.13	47.68	-31.33	4251;Good;No Repair Needed;Slightly Closed
Y58	8/5/15 10:35	48.7	34.5	0.3	16.5	100.8	-21.79		41.02	-31.46	2nd Reading;Good;No Repair Needed
Y58	8/20/15 10:33	48.2	32.3	0.3	19.2	100	-15.31		34.07	-22.01	4518;Good;No Change;No Repair Needed
Y58	9/4/15 9:11	42.5	30	0.5	27	100.6	-18.59	-17.56	44.68	-29.78	4687;Good;No Repair Needed;Slightly Closed
Y58	9/4/15 9:12	42.6	31.3	0.6	25.5	100.6	-17.21		36.82	-28.05	2nd Reading;Good;No Repair Needed
Y58	9/17/15 11:13	49.6	32.5	0.5	17.4	100.6	-17.21		41.22	-30.64	4832;Good;No Change;No Repair Needed
Y58	10/1/15 11:52	51.7	34.7	0.3	13.3	99.1	-16.87		36.75	-30.95	5024;Good;No Change;No Repair Needed
Y58	10/16/15 10:42	53.2	36.1	0.1	10.6	99	-16.52		38.35	-30.34	Valve Comment:"5245";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y58	11/3/15 10:06	52.6	34.8	0.2	12.4	99.3	-16.39		48.24	-30.25	Valve Comment:"5443";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y58	11/18/15 10:02	52.4	35	0.3	12.3	98.8	-13.5		37.07	-25.46	Valve Comment:"5611";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y58	12/4/15 10:01	59.8	32.7	0.3	7.2	98.2	-17.04	-17.95	39.1	-31.59	Valve Comment:"5764";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y58	12/4/15 10:02	58.5	34.7	0.2	6.6	98.4	-18.72		48.96	-31.29	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y58	12/16/15 9:39	55.4	33.2	0.3	11.1	97.9	-18.38	-19.07	29.72	-26.41	Valve Comment:"5765";Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y58	12/16/15 9:39	54.2	34.5	0.3	11	98.1	-19.63		39.82	-26.41	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y61	12/5/14 8:20	57.5	32.3	0.5	9.7	56.5	-16.74		7.26	-16.88	Good;No Change;No Repair Needed
Y61	12/18/14 8:25	63.3	25.2	0.3	11.2	46.9	-20.41		9.5	-20.37	Good;No Change;Pump Maintenance Required

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y61	1/8/15 8:53	52.1	26.4	0.5	21	40.7	-23.04		0	-23.13	Good;No Change;No Repair Needed
Y61	1/22/15 8:17	54.1	29.6	0.2	16.1	49	-25.45		17.09	-25.51	Good;No Change;No Repair Needed
Y61	2/3/15 8:31	51.9	26.2	0.1	21.8	42.6	-26.53		11.82	-26.33	Good;No Change;No Repair Needed
Y61	3/3/15 8:45	42.9	19.8	6.8	30.5	41	-18.21	-15.53	6.8	-18.3	Fair;No Repair Needed;Slightly Closed
Y61	3/3/15 8:46	44.5	16.6	6.8	32.1	41.3	-14.02		6.27	-18.26	2nd Reading;Fair;No Repair Needed
Y61	3/18/15 8:22	34	13.5	10.9	41.6	41.4	-14.97	-13.76	0	-17.74	Fair;No Repair Needed;Slightly Closed
Y61	3/18/15 8:23	34.5	12.5	11	42	41.4	-11.65		0	-18.21	2nd Reading;Fair;No Repair Needed
Y61	4/2/15 8:28	68.6	26.9	1.1	3.4	58.2	-6.82		0	-22.49	Good;No Change;No Repair Needed
Y61	5/5/15 8:53	59.5	32.5	3	5	75.6	-14.8		19.9	-26.93	Good;No Change;No Repair Needed
Y61	5/20/15 10:06	63.8	32.4	0.9	2.9	72.9	-25.8		0	-26.63	Good;No Change;No Repair Needed
Y61	6/1/15 10:10	54.9	36	1.9	7.2	62.3	-26.49		11.6	-26.59	Good;No Change;No Repair Needed
Y61	6/16/15 10:10	62.6	29.9	0.7	6.8	90.7	-22		10.81	-21.97	Good;No Change;No Repair Needed
Y61	7/2/15 8:52	37.1	19.3	8.1	35.5	72	-18.16	-17.99	11.74	-18	Fair;Pump Maintenance Required;Slightly Closed
Y61	7/2/15 8:53	49.1	26.1	4.7	20.1	71.5	-18.21		6.35	-18.17	2nd Reading;Fair;Pump Maintenance Required
Y61	7/27/15 10:42	0.9	0.4	19.9	78.8	82.4	-25.19	-25.15	0	-25.55	Fair;No Repair Needed;Slightly Closed
Y61	7/27/15 10:43	0.6	0.2	20	79.2	82.1	-26.53		6.91	-26.59	2nd Reading;Fair;No Repair Needed
Y61	8/5/15 10:25	0.8	4.5	19.6	75.1	92.5	-30.41	-30.11	0	-30.77	917149;Fair;Pump Maintenance Required;Slightly Closed
Y61	8/5/15 10:26	0.4	0.9	20.3	78.4	93.4	-30.46		0	-30.82	2nd Reading;Fair;No Repair Needed
Y61	8/20/15 10:24	1.6	9.1	19.7	69.6	79.2	-28.56	-28.56	0	-29	camera investigation required;Fair;No Repair Needed;Slightly Closed
Y61	8/20/15 10:25	0.4	0.5	21.1	78	79	-30.28		3.67	-30.73	2nd Reading;Fair;No Repair Needed
Y61	9/4/15 9:00	3.3	12.5	19.1	65.1	80.8	-27.91	-27.91	4.7	-28.1	Fair;No Repair Needed;Slightly Closed
Y61	9/4/15 9:00	2.4	3.1	18.7	75.8	81.3	-27.61		8.59	-27.41	2nd Reading;Fair;No Repair Needed;remote restricted
Y61	9/17/15 11:06	24.1	9	12.7	54.2	88.2	-29.72	-29.72	8.96	-30.21	Fair;No Repair Needed;Slightly Closed
Y61	9/17/15 11:06	24.8	8.7	12.6	53.9	89.1	-29.98		7.64	-30.86	2nd Reading;Fair;No Repair Needed
Y61	10/1/15 11:35	21.8	11	9	58.2	74.7	-24.98	-24.5	0	-30.95	Fair;Pump Maintenance Required;Slightly Closed
Y61	10/1/15 11:36	22.1	11	8.9	58	74.3	-20.41		11.42	-32.41	2nd Reading;Fair;No Repair Needed
Y61	10/16/15 10:23	0.3	0.3	22.3	77.1	70.9	-25.54	-25.54	0	-26.76	Valve Adjustment:"Slightly Closed";Well Comment:"back pressure on force main ";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y61	10/16/15 10:24	0.1	0.1	22.5	77.3	73.8	-21.7		4.78	-26.63	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y61	11/3/15 9:39	3.1	7.2	17.1	72.6	76.6	-24.46	-24.46	9.25	-24.77	Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y61	11/3/15 9:40	3.2	7.2	17.1	72.5	76.6	-24.81		7.93	-25.68	Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y61	11/3/15 12:01	25.5	15.2	11.6	47.7	87.6	-29.64	-29.51	3.92	-30.69	Valve Comment:"valve barely cracked ";Valve Adjustment:"Slightly Closed";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y61	11/3/15 12:02	25.7	15.2	11.6	47.5	89.4	-30.33		7.82	-30.34	Valve Comment:"valve barely cracked ";Valve Adjustment:"2nd Reading";Well Condition:"Fair";Well Repairs:"No Repair Needed"
Y61	11/18/15 10:09	59.4	30.9	0.6	9.1	72.7	-7.59		15.92	-27.02	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y61	12/4/15 11:04	66.3	32.4	0	1.3	59.7	-3.17		0	-30.82	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y61	12/16/15 9:31	44.8	27.2	4.9	23.1	58.6	-28.99		9.38	-28.87	Valve Adjustment:"No Change";Well Condition:"Fair";Well Repairs:"Pump Maintenance Required"
Y62	12/5/14 8:18	56.4	34.7	0.5	8.4	48.9	-16.78		9.97	-16.57	Good;No Change;No Repair Needed
Y62	12/18/14 8:23	51.2	33.1	2.7	13	31.7	-19.76		12.79	-19.68	Good;No Change;Pump Maintenance Required
Y62	1/8/15 8:49	40	28.3	6.4	25.3	5.9	-23.04	-22	0	-23.48	Fair;No Repair Needed;Slightly Closed
Y62	1/8/15 8:50	40.6	29.1	6.3	24	5.4	-16.82		0	-23.31	2nd Reading;Fair;No Repair Needed
Y62	1/22/15 8:15	49.1	36.8	4.4	9.7	36.5	-25.45		6.7	-25.25	Fair;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y62	2/3/15 8:29	49.7	32.8	3.3	14.2	26.5	-19.93		12.85	-27.62	Good;No Change;No Repair Needed
Y62	3/3/15 8:42	49.5	31.3	4.1	15.1	32.1	-17.64		11.56	-18.3	Good;No Change;No Repair Needed
Y62	3/18/15 8:19	39.6	27.7	7	25.7	32.5	-15.62	-15.27	0	-17.87	Fair;Pump Maintenance Required;Slightly Closed
Y62	3/18/15 8:20	39.2	27.4	7.2	26.2	32.8	-12.04		0	-17.91	2nd Reading;Fair;No Repair Needed
Y62	3/18/15 11:50	60.2	39.6	0	0.2	52.4	6.3	-0.19	7.72	-18.34	Fair;No Repair Needed;Slightly Open
Y62	3/18/15 11:51	58.9	39.6	0.2	1.3	52.8	-5.78		17.45	-17.78	2nd Reading;Good;No Repair Needed
Y62	4/2/15 8:26	46.7	30.9	4.3	18.1	58.8	-18.55		0	-22.53	Fair;No Change;No Repair Needed
Y62	4/17/15 10:36	46.2	30.4	4.6	18.8	74.4	-15.27		22.16	-20.41	Fair;No Change;Pump Maintenance Required;valve barely cracked
Y62	5/5/15 8:51	52.3	27.4	2.9	17.4	73.6	-4.06		19.31	-26.93	Good;No Change;No Repair Needed
Y62	5/20/15 10:04	54.5	33.3	2.1	10.1	74.3	-0.38		2.27	-26.59	Good;No Change;No Repair Needed
Y62	6/1/15 10:07	58.3	41.7	0	0	70.9	28.39	-0.53	10.45	-26.37	Good;No Repair Needed;Slightly Open
Y62	6/1/15 10:08	58.5	41.5	0	0	74.3	-5.44		9.53	-26.24	2nd Reading;Good;No Repair Needed
Y62	6/16/15 10:08	59	38.5	0	2.5	90.2	12.12	-1.3	9.02	-21.75	Good;No Repair Needed;Slightly Open
Y62	6/16/15 10:08	59.1	39.9	0	1	90.3	-6.21		10.92	-21.32	2nd Reading;Good;No Repair Needed
Y62	7/2/15 8:49	55.9	34.2	1.1	8.8	81.5	-7.2		8.68	-18.95	Good;No Change;No Repair Needed
Y62	7/27/15 10:40	54.9	36.3	0.7	8.1	87.6	-6.17		7.24	-19.34	Good;No Change;No Repair Needed
Y62	8/5/15 10:21	56	33.4	2	8.6	91.9	-23.47		6.9	-30.9	Good;No Change;No Repair Needed
Y62	8/20/15 10:22	57.2	38.2	0.9	3.7	86.4	-9.28		9.8	-23.22	Good;No Change;No Repair Needed
Y62	9/4/15 8:57	58.9	37.5	0.6	3	88.5	-18.25	-18.94	10.42	-31.55	Good;No Repair Needed;Slightly Open
Y62	9/4/15 8:57	58.8	39	0.5	1.7	88.9	-19.63		11.77	-28.1	2nd Reading;Good;No Repair Needed
Y62	9/17/15 11:03	57.4	33.2	1.1	8.3	87.1	-22.86		11.67	-30.82	Good;No Change;No Repair Needed
Y62	10/1/15 11:19	57.2	35.9	1.5	5.4	66.4	-26.23		17.25	-31.03	Good;No Change;Pump Maintenance Required
Y62	10/16/15 10:20	56.4	37.9	0.5	5.2	71.6	-18.08		12.76	-29.39	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y62	11/3/15 9:42	55	31.7	1.4	11.9	71.6	-23.12		11.13	-28.05	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y62	11/18/15 10:11	56.5	37.3	0.8	5.4	71.6	-18.59	-18.94	13.34	-29.78	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y62	11/18/15 10:12	55.8	38.2	0.8	5.2	71.6	-21.35		13.25	-31.51	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y62	12/4/15 9:47	53.3	32.6	2.6	11.5	50.4	-22.3		7.79	-25.51	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y62	12/16/15 9:29	51.3	32.6	2.4	13.7	56.3	-22.13		14.32	-25.72	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY66	10/1/15 9:35	60.6	37.9	0	1.5	58.5	1.67	-0.04	5.07	-30.43	Good;No Repair Needed;Slightly Open
GRNVLY66	10/1/15 9:36	61.2	38.5	0	0.3	83.7	-0.01		9.22	-29.87	2nd Reading;Good;No Repair Needed
GRNVLY66	10/16/15 8:30	62.2	37.8	0	0	95.7	0.3	-0.05	10.1	-26.11	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY66	10/16/15 8:31	61.7	38.3	0	0	99.5	-0.22		8.74	-25.55	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY66	11/3/15 8:11	60.9	39	0	0.1	98.1	0	-0.62	14.97	-26.07	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY66	11/3/15 8:12	60.7	38.6	0	0.7	107.8	-0.93	-0.93	21.64	-26.41	Valve Adjustment:"No Change,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY66	11/18/15 9:05	59.3	37.7	0	3	94.3	-0.64	-1.14	11.64	-27.32	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY66	11/18/15 9:06	59.7	38.5	0	1.8	94.8	-1.78		40.1	-27.02	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
GRNVLY66	12/4/15 8:33	56.8	38.1	0.3	4.8	99	-1.86	-2.3	16.92	-27.06	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY66	12/4/15 8:34	57.1	37.5	0.3	5.1	101.3	-2.95		20.86	-27.49	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY66	12/16/15 8:20	49.7	35.3	1.5	13.5	96.4	-3.27		23.13	-26.37	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY67	10/1/15 9:48	59.6	39.1	0	1.3	120.2	0.24	-0.05	14.58	-30.08	Good;No Repair Needed;Slightly Open
GRNVLY67	10/1/15 9:49	59.4	39.8	0	0.8	121.1	-0.05		26.86	-31.12	2nd Reading;Good;No Repair Needed
GRNVLY67	10/16/15 8:40	59.2	39.9	0	0.9	118.6	-0.07	-0.28	21.61	-31.81	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY67	10/16/15 8:41	59.1	40.4	0	0.5	118.9	-0.2		31.1	-27.54	Valve Adjustment:"Slightly Open,2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY67	11/3/15 8:17	52.9	35.3	2	9.8	115.3	-0.17		24.27	-25.98	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY67	11/18/15 9:11	56.5	38.7	0.9	3.9	116.2	-0.03		20.81	-27.67	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY67	12/4/15 8:39	56.2	38	1.2	4.6	114.8	-0.1		24.89	-27.41	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY67	12/16/15 8:25	57.6	37.2	0.5	4.7	116.4	-0.07	-0.12	29.28	-25.42	Valve Adjustment:"Slightly Open";Well Condition:"Good";Well Repairs:"No Repair Needed"
GRNVLY67	12/16/15 8:26	57.6	38.5	0.6	3.3	116.8	-0.16		29.42	-26.76	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y7R	12/5/14 10:03	51.9	33.7	0.2	14.2	72.2	-6.47		6.2	-14.07	181281;Good;No Change;No Repair Needed
Y7R	12/18/14 9:59	53.3	35.8	0.8	10.1	66.2	-7.59		4.82	-15.71	193730;Good;No Change;No Repair Needed
Y7R	1/22/15 10:15	47.7	34.6	0.5	17.2	70.5	-10.66		5.5	-17.52	213038;barely cracked;Fair;No Change;No Repair Needed
Y7R	2/3/15 10:28	46.6	35.3	0.8	17.3	68.5	-12.34		10.62	-21.15	224133;Good;No Change;No Repair Needed;well influence
Y7R	3/3/15 10:37	54.2	35.6	0	10.2	67.5	-6.47		5.57	-14.11	253020;Good;No Change;No Repair Needed
Y7R	3/18/15 10:08	52.6	33.8	0.9	12.7	76.8	-8.28		0	-16.62	Good;No Change;No Repair Needed
Y7R	4/2/15 10:10	48.4	32.8	1.2	17.6	85.6	-8.89		0	-16.44	299421;Good;No Change;No Repair Needed;well influence
Y7R	4/17/15 12:49	52.7	33	0.3	14	90.7	-9.58		4.69	-16.18	319138;Good;No Change;No Repair Needed
Y7R	5/5/15 10:33	52.2	33	0.2	14.6	98.6	-11.39		5.35	-20.41	354989;Good;No Change;No Repair Needed
Y7R	5/20/15 13:02	48	31.9	0.5	19.6	95.9	-9.58		1.48	-18.34	379659;Good;No Change;No Repair Needed
Y7R	6/1/15 12:43	48	32.8	0.4	18.8	94	-9.97		7.62	-21.41	399845;Good;No Change;No Repair Needed
Y7R	6/16/15 13:11	50.3	34.2	0.1	15.4	103	-7.25		4.66	-15.88	424078;Good;No Change;No Repair Needed
Y7R	7/2/15 12:44	50.8	34.8	0.1	14.3	87	-8.93		4.71	-20.37	445674;Good;No Change;No Repair Needed
Y7R	7/27/15 13:22	40.2	30.3	3.5	26	96.2	-8.58	-8.54	0	-21.71	452974;Fair;No Repair Needed;Slightly Closed;well influence
Y7R	7/27/15 13:23	.40	29	3.9	27.1	97.2	-8.54		0	-12.43	2nd Reading;Fair;No Repair Needed
Y7R	8/5/15 13:35	52.2	28.3	0.8	18.7	102.3	-11.56		11.3	-22.79	452974;Good;No Change;No Repair Needed
Y7R	8/20/15 13:28	44.4	33.2	1.7	20.7	101.1	-9.23		6.57	-17.61	452974;Fair;No Change;No Repair Needed;valve barely cracked
Y7R	9/4/15 10:33	46.1	31.6	2.3	20	103.6	-9.28		8.54	-18.04	452974;Good;No Change;No Repair Needed;well influence
Y7R	9/17/15 13:18	40.8	29.9	3.3	26	99	-10.57		6.95	-22.01	471317;Good;No Change;No Repair Needed;valve barely cracked
Y7R	10/1/15 14:24	0.3	0.2	21.8	77.7	72.5	-12.47	-11.35	17.87	-15.93	490000;Fair;Needs New Counter;Slightly Closed
Y7R	10/1/15 14:26	0.9	0.2	21.1	77.8	77.5	-10.87		12.51	-17.22	2nd Reading;Fair;Needs New Counter
Y7R	10/16/15 13:29	44.5	33.4	0.8	21.3	133.2	-13.03	-11.91	23.08	-22.83	Valve Comment:"500000";Valve Adjustment:"Slightly Closed";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y7R	10/16/15 13:30	44.4	34.3	0.7	20.6	123.1	-11.3		5.6	-20.16	Valve Adjustment:"2nd Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y7R	11/3/15 11:15	47	36.6	0.1	16.3	91	-10.45		10.54	-21.58	Valve Comment:"510000";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Y7R	11/18/15 12:41	45.6	32.9	0.3	21.2	79.5	-8.97		0.64	-17.78	Valve Comment:"530000";Valve Adjustment:"No Change";Well Comment:"valve barely cracked ";Well Condition:"Good";Well Repairs:"Needs New Counter"
Y7R	12/4/15 13:01	49	34.1	0.1	16.8	76.8	-12.73		5.65	-20.5	Valve Comment:"549413";Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Y7R	12/16/15 12:30	40.9	29.1	2	28	82	-10.66		10.23	-19.98	Valve Comment:"55534";Valve Adjustment:"No Change";Well Comment:"well influence ";Well Condition:"Good";Well Repairs:"No Repair Needed"
P01	12/8/14 8:42	0	7.9	9.5	82.6						Good;No Change;No Repair Needed
P01	3/9/15 9:49	0	2.4	11.6	86						Good;No Change;No Repair Needed
P01	5/12/15 9:44	0	1.2	14.2	84.6						Good;No Change;No Repair Needed
P01	8/25/15 14:05	0	7.5	14.2	78.3						Good;No Change;No Repair Needed
P01	11/18/15 14:01	0	13.2	4.7	82.1						Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
P02	12/8/14 8:47	0	4.7	19.9	75.4						Good;No Change;No Repair Needed
P02	3/9/15 9:30	0	0.5	21.6	77.9						Good;No Change;No Repair Needed
P02	5/12/15 9:28	0	0.7	16.7	82.6						Good;No Change;No Repair Needed
P02	8/25/15 14:34	0	2.3	20.8	76.9						Good;No Change;No Repair Needed
P02	11/18/15 13:46	0	2	17	81						Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
P03	12/8/14 8:53	0	1.4	20.3	78.3						Good;No Change;No Repair Needed
P03	3/9/15 9:41	0	4.3	6.5	89.2						Good;No Change;No Repair Needed
P03	5/12/15 9:36	0	1	17.8	81.2						Good;No Change;No Repair Needed
P03	8/25/15 14:48	0	0.6	21	78.4						Good;No Change;No Repair Needed
P03	11/18/15 13:35	0	4.3	14.9	80.8						Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
P04	12/8/14 9:01	0	0.1	21.5	78.4						Good;No Change;No Repair Needed
P04	3/9/15 9:19	0	1.2	21	77.8						Good;No Change;No Repair Needed
P04	5/12/15 9:17	0	2	20.5	77.5						Good;No Change;No Repair Needed
P04	8/25/15 14:16	0	5.3	19.9	74.8						Good;No Change;No Repair Needed
P04	11/18/15 13:55	0	0.3	20.7	79						Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BOT2	12/5/14 10:43										Manually entered;NIU
BOT2	12/5/14 10:43										Manually entered;NIU
BOT2	1/22/15 10:33										Manually entered;NIU
BOT2	2/3/15 10:56										Manually entered;NIU
BOT2	3/3/15 11:17										Manually entered;NIU
BOT2	4/2/15 10:05										Manually entered;NIU
BOT2	5/5/15 7:47	51.1	31.5	1.6	15.8	82.8	0.1	0.14	230	-0.04	Good;No Change;No Repair Needed
BOT2	5/20/15 9:01	46.4	29.7	2.6	21.3	88.6	0.04	0.1	170	0.17	Good;No Change;No Repair Needed
BOT2	5/20/15 14:08	51.3	32.8	1.1	14.8	95.8	0.1	0.18	240	-0.04	Good;No Change;No Repair Needed
BOT2	6/1/15 9:01	48.1	31.2	1.6	19.1	88.2	0.07	0.1	200	0	Good;No Change;No Repair Needed
BOT2	7/15/15 8:58	42.8	27.9	4.9	24.4	95.6	6.95	6.6	0	-0.04	Fair;flow meter not operational;No Change;No Repair Needed
BOT2	7/15/15 9:25	56.3	35.2	0.8	7.7	78.6	4.95	4.73	0	-0.04	Good;No Change;No Repair Needed
BOT2	7/15/15 9:59	55.4	35.5	0.8	8.3	95.2	4.81	4.87	0	0.04	flow meter not operational;Good;No Change;No Repair Needed
BOT2	8/5/15 9:18	48.2	33.9	1.6	16.3	96.5	1.45	1.43	0	-0.35	Good;No Change;No Repair Needed;suspected flow meter incorrect
BOT2	8/5/15 15:05	50.6	35.5	1	12.9	105.2	-0.05	-0.06	0	-0.04	Good;No Change;No Repair Needed;suspected flow meter incorrect
BOT2	9/4/15 7:27	46.8	31.8	1.7	19.7	87.1	0.11	0.14	110	-0.09	Good;No Change;No Repair Needed
BOT2	9/17/15 8:58	50.1	34	1	14.9	85.5	5.52	5.52	630	-0.04	Good;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
BOT2	9/17/15 14:26	50.2	33.5	1	15.3	103.8	1.53	1.47	310	0	Good;No Change;No Repair Needed
BOT2	10/1/15 9:14	48.4	32.5	1.4	17.7	82.9	0.66	0.66	180	0	Good;No Change;No Repair Needed
BOT2	11/3/15 7:44	50	33.8	0.9	15.3	56.5	-0.02	-0.02	140	0.04	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BOT2	12/16/15 14:16	53	34.7	0.8	11.5	76.5	0.07	0.09	90	-0.04	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
CO02	12/5/14 9:03	57.3	32.7	0.2	9.8	44.8	-17.56		6.78	-18.69	Good;No Change;No Repair Needed
CO02	12/18/14 9:01	57.8	30.4	0.4	11.4	33	-19.28		10.81	-20.11	Good;No Change;No Repair Needed
CO02	1/8/15 9:35	56.5	34.4	0.5	8.6	14.5	-23.04		0	-23.56	Fair;No Change;No Repair Needed
CO02	1/22/15 8:53	57.7	37.3	0.7	4.3	41.7	-25.15		8.61	-25.55	Fair;No Change;No Repair Needed
CO02	2/3/15 9:15	57.5	31.2	1.2	10.1	27.6	-27.52		10.99	-27.97	Good;No Change;No Repair Needed
CO02	3/3/15 9:26	57.2	27.8	2.1	12.9	36.3	-18.46		11.82	-18.3	Good;No Change;No Repair Needed
CO02	3/18/15 9:02	51	27	3.5	18.5	44.5	-18.12		0	-18.17	Fair;No Change;No Repair Needed
CO02	4/2/15 9:03	58.7	29.4	1.7	10.2	63.8	-22.35		0	-23.22	Good;No Change;No Repair Needed
CO02	5/5/15 9:26	57.3	28.4	1.7	12.6	87.2	-26.88		5.81	-26.63	Good;No Change;No Repair Needed
CO02	6/1/15 10:44	53.8	27	2.3	16.9	66.1	-26.53		8.38	-26.59	Good;No Change;No Repair Needed
CO02	7/2/15 9:30	48.9	28.5	4	18.6	71.7	-19.59		4.65	-19.46	Fair;No Change;No Repair Needed
CO02	8/5/15 11:04	57.3	31.1	0.4	11.2	95.8	-30.37		7.22	-30.82	Good;No Change;No Repair Needed
CO02	9/4/15 8:35	55.6	32.4	0.2	11.8	81.3	-30.33		4.67	-30.82	Good;No Change;No Repair Needed
CO02	10/1/15 12:02	57.1	31.6	0.9	10.4	59.4	-30.37		14.02	-30.04	Fair;No Change;No Repair Needed
CO02	11/3/15 10:13	59.6	35.9	0	4.5	72	-29.98		13.06	-30.95	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
CO02	12/4/15 10:58	56.8	32.7	0.3	10.2	55	-23.81		12.87	-25.16	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	12/5/14 7:16	55.2	35.2	0.9	8.7	50.3	-16.82	-16.82	670	0	Good;No Change;No Repair Needed
BLWIN	12/5/14 12:56	55	34.8	0.9	9.3	55.2	-17.95	-18.21	700	-0.04	Good;No Change;No Repair Needed
BLWIN	12/18/14 7:31	55.6	33.7	1.2	9.5	43.4	-21.05	-20.66	700	0	Good;No Change;No Repair Needed
BLWIN	12/18/14 12:12	55.3	34.4	1.2	9.1	49.2	-19.59	-19.59	700	0	Good;No Change;No Repair Needed
BLWIN	1/8/15 7:42	55.8	32.4	1.4	10.4	20.1	-23.81	-23.38	450	0	Good;No Change;No Repair Needed
BLWIN	1/8/15 11:02	52.9	33.1	2	12	33.2	-23.81	-24.55	440	-0.04	Good;No Change;No Repair Needed
BLWIN	1/22/15 7:20	51.1	31.6	2	15.3	42.3	-29.59	-29.34	730	0.04	Good;No Change;No Repair Needed
BLWIN	1/22/15 12:47	52.9	32.8	1.5	12.8	47.9	-25.15	-24.89	730	0	Good;No Change;No Repair Needed
BLWIN	2/3/15 7:24	51.4	32.4	1.5	14.7	36.1	-28.56	-28.6	710	0	Good;No Change;No Repair Needed
BLWIN	2/3/15 13:34	49.7	34	1.6	14.7	52.8	-26.49	-27.57	700	0	Good;No Change;No Repair Needed
BLWIN	2/17/15 10:06	51.5	30.4	2	16.1	31.7	-33.78	-31.71	430	-0.04	Good;No Change;No Repair Needed
BLWIN	2/17/15 11:26	51.4	30.4	2	16.2	37.4	-30.16	-33.43	430	0	Good;No Change;No Repair Needed
BLWIN	3/3/15 7:45	55.2	31.6	1.5	11.7	37.3	-18.85	-19.11	660	0	Good;No Change;No Repair Needed
BLWIN	3/3/15 12:56	56.4	32.7	0.9	10	44.8	-14.93	-14.75	650	0	Good;No Change;No Repair Needed
BLWIN	3/18/15 7:11	55.2	32.4	1.8	10.6	37.2	-18.08	-18.16	680	0.04	Good;No Change;No Repair Needed
BLWIN	3/18/15 12:42	56.1	32.9	1.5	9.5	64.9	-18.03	-18.29	630	0	Good;No Change;No Repair Needed
BLWIN	4/2/15 7:25	51	32.1	1.9	15	52.8	-22.04	-23.47	720	0	Good;No Change;No Repair Needed
BLWIN	4/2/15 12:46	53.4	33.2	1.2	12.2	74.4	-22.35	-23.47	660	0	Good;No Change;No Repair Needed
BLWIN	4/14/15 10:00	57.9	33.8	0.4	7.9	60	-14.28	-13.46	530	-0.04	Good;No Change;No Repair Needed
BLWIN	4/14/15 11:13	57.7	33.7	0.4	8.2	59.3	-18.85	-18.81	630	0	Good;No Change;No Repair Needed
BLWIN	4/17/15 9:21	55.1	33	1	10.9	67.6	-23.12	-22.86	640	0	Good;No Change;No Repair Needed
BLWIN	4/17/15 14:41	55.6	33.9	1	9.5	87.6	-19.67	-19.33	660	0	Good;No Change;No Repair Needed
BLWIN	5/5/15 7:45	51.6	31.5	1.6	15.3	65.3	-28	-27.22	680	0	Good;No Change;No Repair Needed
BLWIN	5/5/15 14:22	51.7	33.5	1.2	13.6	68	-26.57	-27.09	690	0	Good;No Change;No Repair Needed
BLWIN	5/20/15 8:59	46.6	29.3	2.8	21.3	73.3	-27.52	-27.61	710	-0.04	Good;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
BLWIN	5/20/15 14:06	51.9	31.3	1.2	15.6	74.1	-27.39	-27.26	740	-0.04	Good;No Change;No Repair Needed
BLWIN	6/1/15 8:59	48.5	30.4	1.8	19.3	76.5	-26.88	-27.87	710	0	Good;No Change;No Repair Needed
BLWIN	6/1/15 14:06	49	31.7	1.3	18	77.1	-27.26	-26.92	740	0	Good;No Change;No Repair Needed
BLWIN	6/16/15 8:53	50.4	33.5	1.3	14.8	80.4	-22.17	-22.74	720	0	Good;No Change;No Repair Needed
BLWIN	6/16/15 14:30	50.6	33.7	1.1	14.6	81.8	-20.15	-20.32	750	0	Good;No Change;No Repair Needed
BLWIN	7/2/15 7:40	54.1	34.4	0.9	10.6	79.7	-19.76	-19.76	660	0	Good;No Change;No Repair Needed
BLWIN	7/2/15 14:22	54.4	35.6	0.7	9.3	79.5	-26.92	-27.57	820	0	Good;No Change;No Repair Needed
BLWIN	7/15/15 8:56	42.6	27.5	5	24.9	78.7	-27.22	-26.88	0	0	Fair;flow meter not operational;No Change;No Repair Needed
BLWIN	7/15/15 9:57	55.3	35.6	0.9	8.2	79.1	-160.27	-26.92	0	-157.53	Good;No Change;No Repair Needed
BLWIN	7/27/15 9:10	53.3	35.2	1	10.5	80.1	-20.1	-20.28	730	0	Good;No Change;No Repair Needed
BLWIN	7/27/15 15:43	53	34.7	1	11.3	81.1	-18.29	-18.33	730	-0.04	Good;No Change;No Repair Needed
BLWIN	8/5/15 9:14	49.6	31.8	1.7	16.9	83	-31.06	-30.72	0	-0.35	Good;No Change;No Repair Needed;suspected flow meter incorrect
BLWIN	8/5/15 15:02	51.5	33.1	1	14.4	84	-30.46	-31.23	0	-0.04	Good;No Change;No Repair Needed;suspected flow meter incorrect
BLWIN	8/20/15 9:18	51.1	32.2	1	15.7	83.4	-21.66	-21.44	720	0	Good;No Change;No Repair Needed
BLWIN	8/20/15 14:27	49.4	35.7	0.9	14	84.5	-21.96	-21.92	940	0	Good;No Change;No Repair Needed
BLWIN	9/4/15 7:30	46.3	33.3	1.6	18.8	83.8	-31.02	-30.67	820	-0.09	Good;No Change;No Repair Needed
BLWIN	9/4/15 13:01	47.9	34.9	1	16.2	84.9	-29.94	-30.24	790	0	Good;No Change;No Repair Needed
BLWIN	9/17/15 8:56	51	33.3	1.1	14.6	81	-32.05	-32.1	630	0.04	Good;No Change;No Repair Needed
BLWIN	9/17/15 14:24	50.6	32.9	1	15.5	81.7	-31.15	-31.41	810	0	Good;No Change;No Repair Needed
BLWIN	10/1/15 9:12	48.9	33	1.4	16.7	80.4	-31.71	-31.71	720	0	Good;No Change;No Repair Needed
BLWIN	10/1/15 15:48	49.7	33.1	1.1	16.1	79.9	-30.37	-31.71	750	0.04	Good;No Change;No Repair Needed
BLWIN	10/16/15 8:11	50.8	34.5	1.2	13.5	74.8	-27.61	-27.48	730	-0.04	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	10/16/15 15:53	51.2	34.5	1.1	13.2	75.4	-31.41	-31.36	822	0	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	10/28/15 15:41	52	35.2	0.7	12.1	72.9	-25.5	-25.88	720	0	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	10/28/15 16:08	50	33.5	1.8	14.7	73.5	-28.26	-28.3	720	0.04	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	11/3/15 7:42	50.5	34	1	14.5	71.4	-26.88	-26.88	860	0	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	11/3/15 12:21	50.6	33.4	1	15	72.1	-30.63	-30.97	960	0.04	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	11/18/15 8:53	49.7	33.5	1.1	15.7	69.1	-27.22	-25.54	750	0.26	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	11/18/15 13:15	50.1	33.4	1.1	15.4	69.4	-26.96	-26.23	750	0	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	12/4/15 8:18	51.5	34	1.1	13.4	64	-27.65	-28	740	0	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	12/4/15 13:56	51.1	33.1	1.1	14.7	64.2	-25.84	-26.53	720	0	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	12/16/15 8:07	52.5	32.6	1	13.9	63.9	-26.92	-26.57	750	0.04	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLWIN	12/16/15 14:18	52.2	35.4	0.8	11.6	64.9	-32.05	-31.02	840	0	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLOUT	12/5/14 7:18	55.8	34.8	0.8	8.6	59.5	-17.04	-16.91	670	0	Good;No Change;No Repair Needed
BLOUT	12/18/14 7:32	55.1	34.2	1.1	9.6	56.7	-21.44	-21.44	700	0.04	Good;No Change;No Repair Needed
BLOUT	12/18/14 12:14	55.5	34.4	1	9.1	57.4	-21.01	-20.97	700	0	Good;No Change;No Repair Needed
BLOUT	1/8/15 7:44	56.8	32.7	1	9.5	46.2	-25.5	-24.5	450	0	Good;No Change;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
BLOUT	1/22/15 7:21	51.2	32.6	1.7	14.5	51.8	-32.74	-31.36	730	0	Good;No Change;No Repair Needed
BLOUT	1/22/15 12:48	52.4	33.4	1.3	12.9	53.9	-25.93	-25.5	730	0.04	Good;No Change;No Repair Needed
BLOUT	2/3/15 7:26	51.5	32.7	1.4	14.4	50.3	-29.59	-29.59	710	0	Good;No Change;No Repair Needed
BLOUT	2/17/15 10:08	52.6	30.6	1.6	15.2	45.4	-30.72	-31.75	430	0	Good;No Change;No Repair Needed
BLOUT	2/17/15 11:28	52.9	31.7	1.4	14	46.6	-30.63	-30.89	430	0.04	Good;No Change;No Repair Needed
BLOUT	3/3/15 7:47	55.2	32	1.3	11.5	45.6	-19.89	-20.02	660	0	Good;No Change;No Repair Needed
BLOUT	3/18/15 7:13	54.6	32.7	1.7	11	48.6	-18.94	-18.9	680	0.09	Good;No Change;No Repair Needed
BLOUT	3/18/15 12:43	56.3	34.5	1.3	7.9	53.7	-18.68	-18.94	630	0.04	Good;No Change;No Repair Needed
BLOUT	4/2/15 7:27	50.4	32.2	1.9	15.5	54.8	-23.38	-23.34	720	0	Good;No Change;No Repair Needed
BLOUT	4/14/15 10:02	57.2	34.4	0.3	8.1	59.4	-14.28	-13.98	530	0	Good;No Change;No Repair Needed
BLOUT	4/14/15 11:15	57.1	34.5	0.3	8.1	59.7	-19.2	-19.54	630	0.3	Good;No Change;No Repair Needed
BLOUT	4/17/15 9:22	54.5	33.8	1	10.7	62.7	-23.81	-23.81	640	0	Good;No Change;No Repair Needed
BLOUT	4/17/15 14:42	55.2	34.6	0.8	9.4	66	-20.02	-19.97	660	-0.04	Good;No Change;No Repair Needed
BLOUT	5/5/15 7:48	51.1	32.6	1.6	14.7	82.3	5.78	5.57	450	0	Good;No Change;No Repair Needed
BLOUT	5/20/15 9:02	46.2	30.4	2.7	20.7	88.6	5.87	5.69	540	0	Good;No Change;No Repair Needed
BLOUT	5/20/15 14:09	51.4	33.7	1	13.9	95.6	5.87	6	500	-0.04	Good;No Change;No Repair Needed
BLOUT	6/1/15 9:02	48.3	31.8	1.6	18.3	86.4	5.95	6.26	200	0.3	Good;No Change;No Repair Needed
BLOUT	6/16/15 8:55	50.2	33.9	1.4	14.5	94	7.2	7.51	720	0	Good;No Change;No Repair Needed
BLOUT	6/16/15 14:31	50.1	34.6	1.2	14.1	101.3	6.99	7.08	750	0	Good;No Change;No Repair Needed
BLOUT	7/2/15 7:42	54.4	35.7	0.8	9.1	87.2	7.64	7.33	660	0	Good;No Change;No Repair Needed
BLOUT	7/27/15 9:12	53.4	35.4	1	10.2	90.3	7.42	7.55	730	0	Good;No Change;No Repair Needed
BLOUT	7/27/15 15:45	53.4	35.4	0.9	10.3	99.6	6.95	6.95	730	-0.04	Good;No Change;No Repair Needed
BLOUT	8/5/15 9:15	48.6	32.7	1.6	17.1	102.2	5.78	5.78	530	-0.35	Good;No Change;No Repair Needed
BLOUT	8/5/15 15:04	51.4	34.2	1	13.4	107.9	6.21	6.21	600	-0.04	Good;No Change;No Repair Needed
BLOUT	8/20/15 9:20	50.4	33.5	0.9	15.2	92.5	7.68	7.68	720	0	Good;No Change;No Repair Needed
BLOUT	9/4/15 7:28	46.5	32.7	1.6	19.2	95.7	7.25	7.94	710	0.04	Good;No Change;No Repair Needed
BLOUT	9/17/15 14:28	49.9	34.5	1	14.6	108.9	8.63	7.94	500	0	Good;No Change;No Repair Needed
BLOUT	10/1/15 9:16	48.6	33.2	1.4	16.8	88.9	8.28	7.72	540	0	Good;No Change;No Repair Needed
BLOUT	10/16/15 8:13	50.8	34.4	1	13.8	83.1	9.88	9.66	730	-0.04	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLOUT	10/16/15 15:55	50.7	34	1.1	14.2	93.7	8.2	8.15	822	0	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLOUT	10/28/15 15:42	51.5	35.1	0.7	12.7	84.7	9.53	10.05	720	0.04	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLOUT	10/28/15 16:10	52.1	34.4	0.7	12.8	88.1	9.62	10.05	720	0.09	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLOUT	11/3/15 7:48	50.6	33.9	0.9	14.6	77.5	10.05	9.49	720	0	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLOUT	11/18/15 8:55	50.1	33.7	1	15.2	82.4	7.89	7.55	750	0.3	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLOUT	11/18/15 13:16	50.1	34	1.1	14.8	85.6	9.88	9.49	750	0	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLOUT	12/4/15 8:19	51.5	33.4	1	14.1	67.8	9.84	10.05	740	0	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLOUT	12/16/15 8:09	51.6	33.2	1	14.2	73	10.4	9.66	750	0.09	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
BLOUT	12/16/15 14:19	52.1	34.2	0.8	12.9	84.4	7.59	7.42	750	0	Valve Adjustment:"No Change";Well Condition:"Good";Well Repairs:"No Repair Needed"
Plant 1	12/5/14 12:58	55.5	35.1	0.7	8.7	60.5	-18.64	-18.64	700	0	1009680 scf;GHG Reading;Good;No Repair Needed

Green Valley Landfill - Annual Rolling GCCS Monitoring Data - 12/01/2014 through 12/31/2015

Point Name	Record Date	CH4 (% by vol)	CO2 (% by vol)	O2 (% by vol)	Bal Gas (% by vol)	Init Temp (F)	Init Static Pressure ("H2O)	Adj Static Pressure ("H20)	Init Flow (scfm)	System Pressure ("H20)	Comments
Plant 1	1/8/15 11:05	53.1	32.4	1.8	12.7	48.9	-24.46	-23.12	440	-0.04	29092527 scf;Good;No Change;No Repair Needed
Plant 1	2/3/15 13:36	50.3	33.8	1.4	14.5	52.4	-26.14	-25.8	700	0	55209890 scf;GHG Reading;Good;No Repair Needed
Plant 1	3/3/15 12:58	56.7	33.6	0.8	8.9	46.2	-16.05	-16.05	650	0	79910399 scf;Good;No Change;No Repair Needed
Plant 1	4/2/15 12:48	53.7	33.7	1	11.6	58.2	-23.6	-24.85	660	0	106740550 scf;GHG Reading;Good;No Repair Needed
Plant 1	5/5/15 14:24	52	33.9	1.2	12.9	95.2	6.26	5.82	470	-0.04	135984990 scf;GHG Reading;Good;No Repair Needed
Plant 1	6/1/15 14:10	48.9	33	1.3	16.8	93.2	6.47	6.47	510	0.35	156185418 scf;GHG Reading;Good;No Repair Needed
Plant 1	7/2/15 14:20	53.3	35.4	0.8	10.5	84.7	6.13	6.13	700	0	186350250 scf;GHG Reading;Good;No Repair Needed
Plant 1	8/20/15 14:25	49.8	35.4	0.9	13.9	103	7.46	7.42	750	0	GHG Reading;Good;No Repair Needed;No Totalizer
Plant 1	9/4/15 12:59	48.1	33.9	1	17	109.4	9.1	9.45	790	0	GHG Reading;Good;No Repair Needed;No Totalizer
Plant 1	10/1/15 15:53	50.5	34.2	1	14.3	89.8	8.97	8.63	520	0.26	Good;No Change;No Repair Needed;No Totalizer
Plant 1	11/3/15 12:25	51.1	34.5	0.9	13.5	93.7	7.77	7.94	730	0.04	Valve Comment:"No Totalizer";Valve Adjustment:"GHG Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Plant 1	12/4/15 13:58	51.4	33.3	1.1	14.2	81	9.02	9.58	720	-0.09	Valve Comment:"No Totalizer";Valve Adjustment:"GHG Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Flare 1	12/5/14 10:42										Manually entered;NIU
Flare 1	1/22/15 10:34										Manually entered;NIU
Flare 1	2/3/15 10:55										Manually entered;NIU
Flare 1	3/3/15 11:15										Manually entered;NIU
Flare 1	4/2/15 10:03										Manually entered;NIU
Flare 1	5/5/15 14:26	52.2	34	1.1	12.7	95.9	0.1	0.11	220	-0.04	GHG Reading;Good;No Repair Needed;No Totalizer
Flare 1	6/1/15 14:08	49.4	32.5	1.3	16.8	93.2	0.12	0.15	230	0.04	GHG Reading;Good;No Repair Needed;No Totalizer
Flare 1	7/2/15 14:18	53.5	35.1	0.7	10.7	79.7	0.53	0.54	120	0	GHG Reading;Good;No Repair Needed;No Totalizer
Flare 1	8/20/15 14:23	49.8	35.1	0.9	14.2	97.9	-0.06	-0.06	190	0	15060455 scf;GHG Reading;Good;No Repair Needed
Flare 1	9/4/15 10:55										Manually entered;NIU
Flare 1	10/1/15 15:51	49.9	33.7	1	15.4	84.2	0.76	0.75	230	0.04	24095327 scf;Good;No Change;No Repair Needed
Flare 1	11/3/15 12:23	51.2	34.2	0.9	13.7	81.5	0.26	0.29	230	0.04	Valve Comment:"378909900 scf";Valve Adjustment:"GHG Reading";Well Condition:"Good";Well Repairs:"No Repair Needed"
Flare 1	12/4/15 14:00										NIU