

## 2012 GAS WELL INACTIVATION RECORD

Facility Name: St. Lucie County Baling & Recycling Facility  
 Facility ARMS ID No.: 11110081

Well ID #: GW-402  
 Inactivation Date (mm/yyyy): 07/2011

### Initial Well Inactivation Certification

To the best of my knowledge, the monthly monitoring records for identified above landfill gas (LFG) collection well are true, accurate and complete and that based on these records the well has been deemed inactive in accordance with the LFG Collection and Control System Design Plan. Based on engineering features of the LFG Collection and Control System, I further certify that inactivation of this well, in addition to any other inactive wells, will not affect the integrity of the landfill gas collection system.

Signature: *Joseph P. Curro* (seal)  
 Name: JOSEPH P. CURRO

Florida Registered Professional Engineer License No.: 58416

Date: 2/27/2012

\*WAS 'INACTIVE OPEN' 12/2011

### Inactive Well Monitoring Records

Month	Pressure (<1 ATM)	Methane (<<50%)	Oxygen (<<5%)	Nitrogen (>20%)	Temp. (<<135°F)	Comments	P.E. Initial
JAN	2.0"wc	39.7%	0.0%	23.8%	111°F	* ACTIVE	JPC
FEB						ACTIVE	JPC
MAR						ACTIVE	JPC
APR						ACTIVE	JPC
MAY						ACTIVE	JPC
JUN						ACTIVE	JPC
JUL						ACTIVE	JPC
AUG							
SEP							
OCT							
NOV							
DEC							

2012

### Annual Well Inactivation Certification

To the best of my knowledge, the monthly monitoring records for the above landfill gas (LFG) collection well are true, accurate and complete and that based on these records the above well can be either: 1) Returned to Active Service; 2) Remain Inactive; or 3) Permanently Closed in accordance with the LFG Collection and Control System Design Plan. Based on engineering features of the LFG Collection and Control System, I further certify that reactivation, inactivation or the permanent closure of this well, in addition to any other inactive or closed wells, will not affect the integrity of the landfill gas collection system.

Signature: \_\_\_\_\_ (seal)

Name: \_\_\_\_\_

Florida Registered Professional Engineer License No.: \_\_\_\_\_

Date: \_\_\_\_\_



## GAS WELL INACTIVATION RECORD

Facility Name: St. Lucie County Glades Road Landfill  
 Facility ARMS ID No.: 1110081

Well ID #: GW-402  
 Inactivation Date (mm/yyyy): 07/2011

### Initial Well Inactivation Certification

To the best of my knowledge, the monthly monitoring records for the above landfill gas (LFG) collection well are true, accurate and complete and that based on these records the well has been deemed inactive in accordance with the LFG Collection and Control System Design Plan. Based on engineering features of the LFG Collection and Control System, I further certify that inactivation of this well, in addition to any other inactive wells, will not affect the integrity of the landfill gas collection system.

Signature: *Joseph P. Guard* (seal)  
 Name: JOSEPH P. GUARD

Florida Registered Professional Engineer License No.: 58416

Date: 8/4/2011

### Inactive Well Monitoring Records

Month	Pressure (<1 ATM)	Methane (<<50%)	Oxygen (<<5%)	Nitrogen (>20%)	Temp. (<<135°F)	Comments	P.E. Initial
JAN							
FEB							
MAR							
APR							
MAY							
JUN							
JUL	0.0' WC	0.0%	21.5%	78.5%	102°F	CLOSED BALL VALVE	JR
AUG	0.0' WC	21.1%	11.4%	41.9%	111°F	BALL VALVE REMAINS CLOSED	JR
SEP	0.0' WC	20.7%	11.6%	52.5%	93°F	BALL VALVE REMAINS CLOSED	JR
OCT	0.10' WC	55.2%	0.6%	0.1%	85°F	OPENED BALL VALVE	JR
NOV	0.20' WC	55.3%	0.0%	0.1%	90°F	BALL VALVE REMAINS OPEN <sup>MONTH 2</sup>	JR
DEC	2.5' WC	42.8%	0.0%	19.9%	110°F	BALL VALVE REMAINS OPEN <sup>MONTH 3</sup>	JR

2011

### Annual Well Inactivation Certification

To the best of my knowledge, the monthly monitoring records for the above landfill gas (LFG) collection well are true, accurate and complete and that based on these records the above well can be either: 1) Returned to Active Service; 2) Remain Inactive; or 3) Permanently Closed in accordance with the LFG Collection and Control System Design Plan. Based on engineering features of the LFG Collection and Control System, I further certify that reactivation, inactivation or the permanent closure of this well, in addition to any other inactive or closed wells, will not affect the integrity of the landfill gas collection system.

*\* INACTIVE / OPEN - TRANSITION*

Signature: *Joseph P. Guard* (seal)  
 Name: JOSEPH P. GUARD

Florida Registered Professional Engineer License No.: 58416

Date: 1/5/2012



Well ID	Orifice Type	ΔP		Flow		Pressure (+)/Vacuum (-)		Temp °F	Gas Readings				Balance %	Comments
		Start "w.c."	Finish "w.c."	Start (CFM)	Finish (CFM)	Start "w.c."	Finish "w.c."		CH <sub>4</sub> %	CO <sub>2</sub> %	O <sub>2</sub> %	Balance %		
GW301	OP	2.4	2.4	20.03	20.03	1.6	1.0	103	54.8	39.6	1.5	2.8	NAR	
GW311	OP	0.0	0.0	0.0	0.0	1.6	1.6	94	54.2	42.8	1.3	0.9	NAR	
GW321	OP	1.0	1.0	13.03	12.37	1.20	1.10	121	45.3	38.5	0.3	0.2	RED VAC	
GW331	OP	1.40	1.30	9.30	7.21	1.20	1.10	124	41.0	35.6	0.2	23.9	RED VAC	
GW342	PT	1.37	1.20	38.03	30.80	5.3	5.1	126	49.5	37.9	2.1	10.7	RED VAC	
GW341	OP	3.4	3.0	23.78	22.39	0.5	0.1	123	44.8	32.0	3.9	19.3	RED VAC	
GW401	OP	0.0	0.0	0.0	0.0	1.2	1.0	104	48.8	32.3	3.0	18.3	RED VAC	
GW402	OP	0.0	0.0	0.0	0.0	0.0	0.0	93	20.7	14.8	11.6	57.5	BV CLOSED - LEFT CLOSED	
GW403	OP	0.0	0.0	0.0	0.0	0.0	0.0	100	4.2	10.3	19.4	66.1	BV CLOSED - LEFT CLOSED	
GW404	OP	3.4	3.3	23.78	23.43	2.3	2.1	127	52.3	38.5	2.1	6.8	RED VAC	
HC-A1	PT	0.0	0.0	0.0	0.0	0.0	0.0	88	0.6	3.9	16.1	79.1	BV CLOSED - LEFT CLOSED	
HC-A2	PT	0.0	0.0	0.0	0.0	0.0	0.0	89	2.7	37.7	3.0	57.8	BV CLOSED - LEFT CLOSED	
HC-A3	PT	0.0	0.0	0.0	0.0	0.0	0.0	98	3.2	19.9	11.9	66.0	BV CLOSED - LEFT CLOSED	
HC-A4	PT	0.0	0.0	0.0	0.0	0.0	0.0	94	5.7	8.8	15.4	70.1	BV CLOSED - LEFT CLOSED	
HC-A5	PT	0.0	0.0	0.0	0.0	0.0	0.0	86	0.8	3.0	16.4	79.4	BV CLOSED - LEFT CLOSED	
HC-B1	OP	0.0	0.0	0.0	0.0	0.0	0.0	92	1.2	4.1	15.8	78.8	BV CLOSED - LEFT CLOSED	
HC-B2	PT	0.0	0.0	0.0	0.0	0.0	0.0	97	1.1	2.3	17.0	79.5	BV CLOSED - LEFT CLOSED	
HC-B3	PT	0.0	0.0	0.0	0.0	0.0	0.0	90	0.3	1.7	16.7	81.2	BV CLOSED - LEFT CLOSED	
HC-C1	PT	0.0	0.0	0.0	0.0	0.0	0.0	88	0.8	2.5	16.9	79.8	BV CLOSED - LEFT CLOSED	
HC-C2	PT	0.0	0.0	0.0	0.0	0.0	0.0	85	1.4	5.5	14.9	78.2	BV CLOSED - LEFT CLOSED	



\* NAR - No Adjustment Required  
 Red Vac - Reduced Vacuum  
 Inc Vac - Increased Vacuum

Well ID	Orifice Type	ΔP		Flow		Pressure (+)/Vacuum (-)		Temp °F	Gas Readings				Balance %	Comments
		Start "w.c."	Finish "w.c."	Start (CFM)	Finish (CFM)	Start "w.c."	Finish "w.c."		CH <sub>4</sub> %	CO <sub>2</sub> %	O <sub>2</sub> %	Balance %		
GW301	OP	2.5	3.0	20.44	22.36	1.4	2.0	123	56.4	42.5	0.8	0.1	INC VAC.	
GW311	OP	0.0	1.0	0.0	4.20	1.0	2.0	127	53.9	42.1	1.2	2.8	INC VAC.	
GW321	OP	6.0	4.2	10.13	26.38	2.0	5.0	129	52.8	41.5	0.1	5.4	INC VAC.	
GW331	OP	5.0	7.0	7.26	59.09	1.0	2.0	85	47.1	37.6	1.6	13.7	INC VAC.	
GW342	PT	5.0	1.0	49.10	21.47	5.9	3.2	127	42.0	32.7	4.7	20.7	RED VAC.	
GW341	OP	0.0	0.0	0.0	0.0	1.0	2.0	84	53.4	46.6	0.0	0.0	INC VAC.	
GW401	OP	5.0	5.7	28.74	30.65	5.0	6.0	120	54.0	39.6	2.0	4.4	INC VAC.	
GW402	OP	0.0	2.0	0.0	5.90	0.0	1.0	85	55.2	44.1	0.6	0.1	BV CLOSED - OPEN BV - INC VAC.	
GW403	OP	0.0	0.0	0.0	0.0	0.0	0.0	121	0.2	0.1	16.5	83.3	BV CLOSED - LEFT CLOSED	
GW404	OP	3.0	3.2	22.36	23.06	2.3	2.5	125	55.3	42.0	1.4	1.1	INC VAC.	
HC-A1	PT	0.0	0.0	0.0	0.0	0.0	0.0	81	0.8	4.2	14.8	80.3	BV CLOSED - LEFT CLOSED	
HC-A2	PT	0.0	0.0	0.0	0.0	0.0	0.0	85	10.9	19.2	3.4	66.5	BV CLOSED - LEFT CLOSED	
HC-A3	PT	0.0	0.0	0.0	0.0	0.0	0.0	96	4.4	16.9	7.8	70.8	BV CLOSED - LEFT CLOSED	
HC-A4	PT	0.0	0.0	0.0	0.0	0.0	0.0	72	1.0	5.0	13.7	80.3	BV CLOSED - LEFT CLOSED	
HC-A5	PT	0.0	0.0	0.0	0.0	0.0	0.0	60	0.7	2.4	14.6	82.3	BV CLOSED - LEFT CLOSED	
HC-B1	OP	0.0	0.0	0.0	0.0	0.0	0.0	90	0.4	4.1	16.3	79.0	BV CLOSED - LEFT CLOSED	
HC-B2	PT	0.0	0.0	0.0	0.0	0.0	0.0	91	0.2	2.3	15.7	81.8	BV CLOSED - LEFT CLOSED	
HC-B3	PT	0.0	0.0	0.0	0.0	0.0	0.0	82	0.2	1.1	14.9	83.8	BV CLOSED - LEFT CLOSED	
HC-C1	PT	0.0	0.0	0.0	0.0	0.0	0.0	90	0.3	5.3	17.3	77.1	BV CLOSED - LEFT CLOSED	
HC-C2	PT	0.0	0.0	0.0	0.0	0.0	0.0	89	38.6	30.8	4.6	26.0	BV CLOSED - PURGE LINE - CLOSE BV	



\* NAR - No Adjustment Required  
 Red Vac - Reduced Vacuum  
 Inc Vac - Increased Vacuum

Well ID	Orifice Type	AP		Flow		Pressure (+) / Vacuum (-)		Temp °F	Gas Readings				Balance %	Comments
		Start "w.c.	Finish "w.c.	Start (CFM)	Finish (CFM)	Start "w.c.	Finish "w.c.		CH <sub>4</sub> %	CO <sub>2</sub> %	O <sub>2</sub> %			
GW301	OP	3.5	3.8	2412	2505	1.8	2.0	103	7.7	25.9	0.0	2.1	INC VAC	
GW311	OP	1.0	7.0	420	1093	1.0	1.0	125	55.6	44.4	0.0	0.1	INC VAC	
GW321	OP	2.5	2.5	2044	2044	4.0	4.0	122	33.8	33.5	0.0	32.7	NAR	
GW331	OP	1.0	1.0	13.03	13.03	1.0	1.0	120	43.6	37.0	0.0	19.4	NAR	
GW342	PT	3.0	3.0	38.03	38.03	2.9	4.0	124	56.7	43.2	0.0	0.1	INC VAC	
GW341	OP	0.0	1.0	0.0	4.20	1.4	1.5	115	73.1	25.8	0.0	1.1	INC VAC	
GW401	OP	6.0	6.7	31.44	33.19	5.0	7.0	118	57.7	42.1	0.0	0.1	INC VAC	
GW402	OP	1.0	1.0	4.20	4.20	1.0	2.0	90	55.3	44.6	0.0	0.1	INC VAC	
GW403	OP	0.0	0.0	0.0	0.0	0.0	0.0	124	0.4	0.2	19.6	79.8	BV CLOSED - LEFT CLOSED	
GW404	OP	3.0	3.3	22.36	23.43	2.0	2.5	125	56.3	43.6	0.0	0.1	INC VAC	
HC-A1	PT	0.0	0.0	0.0	0.0	0.0	0.0		0.5	3.5	14.7	81.3	BV CLOSED - LEFT CLOSED	
HC-A2	PT	0.0	0.0	0.0	0.0	0.0	0.0	89	7.1	29.2	5.3	58.4	BV CLOSED - LEFT CLOSED	
HC-A3	PT	0.0	0.0	0.0	0.0	0.0	0.0	91	6.0	28.1	6.7	59.1	BV CLOSED - LEFT CLOSED	
HC-A4	PT	0.0	0.0	0.0	0.0	0.0	0.0	76	1.0	5.6	14.0	79.5	BV CLOSED - LEFT CLOSED	
HC-A5	PT	0.0	0.0	0.0	0.0	0.0	0.0	60	0.7	1.3	14.2	83.8	BV CLOSED - LEFT CLOSED	
HC-B1	PT	0.0	0.0	0.0	0.0	0.0	0.0	87	1.5	7.2	14.0	77.3	BV CLOSED - LEFT CLOSED	
HC-B2	PT	0.0	0.0	0.0	0.0	0.0	0.0	86	0.3	3.3	15.1	81.3	BV CLOSED - LEFT CLOSED	
HC-B3	PT	0.0	0.0	0.0	0.0	0.0	0.0	89	0.4	0.8	15.3	83.3	BV CLOSED - LEFT CLOSED	
HC-C1	PT	0.0	0.0	0.0	0.0	0.0	0.0	90	0.3	3.8	15.2	80.7	BV CLOSED - LEFT CLOSED	
HC-C2	PT	0.0	0.0	0.0	0.0	0.0	0.0	91	0.2	2.6	15.5	81.7	BV CLOSED - LEFT CLOSED	



\* NAR - No Adjustment Required  
 Red Vac - Reduced Vacuum  
 Inc Vac - Increased Vacuum

Well ID	Orifice Type	AP		Flow		Pressure(+)/Vacuum(-)		Temp °F	Gas Readings				Balance %	Comments
		Start "w.c.	Finish "w.c.	Start (CFM)	Finish (CFM)	Start "w.c.	Finish "w.c.		CH <sub>4</sub> %	CO <sub>2</sub> %	O <sub>2</sub> %			
GW301	OP	3.0	3.4	22.36	23.18	1.5	2.0	120	56.9	43.0	0.0	0.1	INC VAC	
GW311	OP	1.0	1.0	13.03	13.03	1.6	1.6	110	49.1	40.0	0.0	10.9	NAR	
GW321	OP	7.0	1.0	33.91	13.03	1.0	.20	127	19.9	24.0	1.6	54.4	RED VAC.	
GW331	OP	1.5	1.0	15.90	13.03	1.0	.04	120	27.1	29.3	0.0	43.6	RED VAC.	
GW342	OP	.20	.20	5.90	5.90	3.0	3.5	104	57.4	42.5	0.0	0.1	INC VAC	
GW341	OP	1.0	.20	4.20	5.90	2.0	2.5	115	57.6	41.6	0.3	0.1	INC VAC.	
GW401	OP	.50	.70	9.26	10.93	1.0	1.1	120	58.3	42	0.0	0.1	INC VAC.	
GW402	OP	.20	.20	5.90	5.90	2.5	2.5	110	42.8	37.2	0.0	19.9	NAR	
GW403	OP	0.0	0.0	0.0	0.0	0.0	0.0	100	0.1	0.1	19.7	80.0	BV CLOSED - LEFT CLOSED	
GW404	OP	2.5	3.0	20.44	22.36	2.0	2.5	124	54.1	42.0	0.0	3.8	INC VAC.	
HC-A1	PT	0.0	0.0	0.0	0.0	0.0	0.0	93	0.5	3.1	18.4	78.1	BV CLOSED - LEFT CLOSED	
HC-A2	PT	0.0	0.0	0.0	0.0	0.0	0.0	68	5.3	28.3	6.2	60.2	BV CLOSED - LEFT CLOSED	
HC-A3	PT	0.0	0.0	0.0	0.0	0.0	0.0	64	5.4	27.9	1.8	54.9	BV CLOSED - LEFT CLOSED	
HC-A4	PT	0.0	0.0	0.0	0.0	0.0	0.0	75	0.6	0.9	19.9	82.0	BV CLOSED - LEFT CLOSED	
HC-A5	PT	0.0	0.0	0.0	0.0	0.0	0.0	85	0.5	0.7	18.6	80.4	BV CLOSED - LEFT CLOSED	
HC-B1	PT	0.0	0.0	0.0	0.0	0.0	0.0	89	1.6	7.8	16.9	73.9	BV CLOSED - LEFT CLOSED	
HC-B2	PT	0.0	0.0	0.0	0.0	0.0	0.0	94	0.2	2.7	18.8	78.5	BV CLOSED - LEFT CLOSED	
HC-B3	PT	0.0	0.0	0.0	0.0	0.0	0.0	70	0.0	0.5	20.2	79.3	BV CLOSED - LEFT CLOSED	
HC-C1	PT	0.0	0.0	0.0	0.0	0.0	0.0	86	0.4	3.3	17.8	78.5	BV CLOSED - LEFT CLOSED	
HC-C2	PT	0.0	0.0	0.0	0.0	0.0	0.0	91	0.1	2.5	19.0	78.7	BV CLOSED - LEFT CLOSED	



\* NAR - No Adjustment Required  
 Red Vac - Reduced Vacuum  
 Inc Vac - Increased Vacuum

Well ID	Orifice Type	AP		Flow		Pressure(+)/Vacuum(-)		Temp °F	Gas Readings				Balance %	Comments
		Start %w.c.	Finish %w.c.	Start (CFM)	Finish (CFM)	Start %w.c.	Finish %w.c.		CH <sub>4</sub> %	CO <sub>2</sub> %	O <sub>2</sub> %			
GW311	OP	1.1	1.0	1165	1303	1.6	1.4	110	42.3	38.1	0.0	19.5	RED VAC	
GW321	OP	1.0	1.0	4.20	4.20	0.5	0.5	92	54.1	45.7	0.0	0.1	NAR	
GW331	OP	1.0	1.0	4.20	4.20	0.4	0.4	110	47.8	41.3	0.0	10.9	NAR	
GW342	PT	0.0	0.0	0.0	0.0	4.4	4.7	125	57.2	42.7	0.0	0.1	INC VAC	
GW341	OP	3.0	3.0	7.21	7.21	2.0	2.0	120	54.3	41.2	0.0	4.2	NAR	
GW401	OP	4.0	5.0	23.75	20.4	1.0	1.2	120	55.0	39.5	0.6	4.9	INC VAC	
GW402	OP	3.0	3.0	7.21	7.21	2.3	2.0	111	39.7	36.5	0.0	23.8	RED VAC	
GW403	OP	0.0	0.0	0.0	0.0	0.0	0.0	110	0.0	0.8	20.0	79.2	BV CLOSED- LEFT CLOSED	
GW404	OP	3.5	4.0	24.12	25.75	2.0	2.1	120	55.4	42.0	0.0	2.5	INC VAC	
HC-A1	PT	0.0	0.0	0.0	0.0	0.0	0.0	87	0.2	2.1	10.4	79.2	BV CLOSED- LEFT CLOSED	
HC-A2	PT	0.0	0.0	0.0	0.0	0.0	0.0	84	3.8	12.4	10.4	61.4	BV CLOSED- LEFT CLOSED	
HC-A3	PT	0.0	0.0	0.0	0.0	0.0	0.0	85	4.6	21.6	12.0	62.2	BV CLOSED- LEFT CLOSED	
HC-A4	PT	0.0	0.0	0.0	0.0	0.0	0.0	54	0.0	0.8	21.3	78.0	BV CLOSED- LEFT CLOSED	
HC-A5	PT	0.0	0.0	0.0	0.0	0.0	0.0	60	0.2	1.0	19.8	78.9	BV CLOSED- LEFT CLOSED	
HC-A6	OP	9.0	9.0	12.37	12.37	1.6	1.6	83	49.4	39.1	0.0	11.4	NAR	
HC-A7	OP	1.0	1.0	13.03	13.03	2.0	2.0	81	48.5	38.6	0.5	12.1	NAR	
HC-A8	OP	1.0	1.0	4.80	4.80	1.0	1.1	78	52.9	39.9	0.0	7.2	INC VAC	
HC-A9	OP	0.0	0.0	0.0	0.0	1.1	1.1	74	46.4	38.0	0.9	14.5	NAR	
HC-B1	PT	0.0	0.0	0.0	0.0	0.0	0.0	89	1.3	7.8	17.5	73.4	BV CLOSED- LEFT CLOSED	
HC-B2	PT	0.0	0.0	0.0	0.0	0.0	0.0	87	0.2	2.4	19.7	77.7	BV CLOSED- LEFT CLOSED	
HC-B3	PT	0.0	0.0	0.0	0.0	0.0	0.0	66	0.2	0.4	20.3	79.2	BV CLOSED- LEFT CLOSED	



\* NAR - No Adjustment Required  
 Red Vac - Reduced Vacuum  
 Inc Vac - Increased Vacuum