

June 2012

St. Lucie County Gas Collection System
Monthly Landfill Gas Wells Balance Data Log

Staff: JOHN T + JOSH LUCE
 Date: 6-7-12
 Weather Conditions: OVERCAST + BREEZY
 Temperature: 82
 Testing: Monitoring

Barometric Pressure		Time	Date
Start	29.98	9:00	6-7-12
Finish	29.90	14:00	6-7-12

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 ₄ %	CO ₂ %	O ₂ %	Balance %		
V06	OP	0.0	0.0	0.0	0.0	0.0	0.0	80	0.4	0.7	17.4	81.5	BV CLOSED-LEFT CLOSED	
V07	OP	0.0	0.0	0.0	0.0	0.0	0.0	88	0.1	0.1	19.1	80.8	BV CLOSED-LEFT CLOSED	
GW16	OP	0.0	0.0	0.0	0.0	.10	.05	87	36.8	29.4	1.2	32.7	RED VAC	
GW13	OP	.50	.50	9.26	9.26	.01	.01	90	27.5	25.0	1.9	45.4	NAR	
GW12	OP	.10	.10	4.20	3.27	.10	.50	93	51.4	26.4	2.2	20.0	RED VAC	
GW11	OP	0.0	.10	0.0	4.20	.03	.10	89	63.4	31.2	0.0	5.1	INC VAC	
GW10	OP	.10	.20	4.20		.10	.20	80	60.0	32.8	0.0	7.1	INC VAC	
GW9	PT	.10	.10	21.47	21.47	.10	.10	81	49.0	28.9	0.5	22.6	NAR	
GW8	OP	.20	.30	5.90	7.21	.10	.20	88	62.3	33.6	0.0	3.8	INC VAC	
GW7	OP	0.0	.08	0.0	3.76	.01	.10	91	66.4	33.6	0.0	0.1	INC VAC	
GW6	OP	0.0	0.0	0.0	0.0	.03	.10	95	65.1	34.9	0.0	0.1	INC VAC	
GW5	OP	.30	.40	7.21	8.30	.05	.10	87	63.6	36.4	0.0	0.1	INC VAC	
GW4	OP	0.0	0.0	0.0	0.0	.04	.10	96	61.4	35.1	0.2	0.2	INC VAC	
GW3	OP	.10	.20	4.20	5.90	.10	.20	92	57.6	35.8	0.0	6.7	INC VAC	
GW2	OP	.02	.10	0.0	4.20	.10	.20	85	59.5	36.0	0.0	3.7	INC VAC	
GW1	OP	0.0	0.0	0.0	0.0	11.5	11.5	84	57.4	35.2	0.0	8.8	NAR	
GW38	OP	.20	.20	5.90	5.90	.50	.50	90	54.3	35.7	0.0	9.9	NAR	
GW37	OP	.20	3.0	7.21	7.21	2.3	2.3	92	54.0	34.5	0.8	10.7	NAR	

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

Well ID	Orifice Type	AP		Flow		Pressure (+)/Vacuum (-)		Gas Readings					Balance %	Comments
		Start "w.c.	Finish "w.c.	Start (CFM)	Finish (CFM)	Start "w.c.	Finish "w.c.	Temp °F	CH ₄ %	CO ₂ %	O ₂ %			
GW36	OP	10.0	11.0	40.4	42.35	3.0	.50	87	56.6	43.2	0.0	0.1	INC VAC.	
GW35	OP	10	10	4.20	4.20	2.8	3.0	95	55.3	36.4	0.0	8.3	INC VAC.	
GW34	OP	7.0	8.0	10.93	11.67	1.0	.40	94	58.3	38.2	0.0	3.5	INC VAC.	
GW33	OP	0.0	0.0	0.0	0.0	0.0	0.0	90	2.6	26.4	5.0	66.1	BU CLOSED- LEFT CLOSED	
GW32	OP	1.0	1.0	4.20	4.20	1.9	2.3	91	57.6	42.3	0.0	0.1	INC VAC.	
GW31	OP	0.0	1.0	0.0	4.20	2.8	4.3	100	61.0	38.9	0.0	0.1	INC VAC	
GW30	OP	4.3	4.4	26.69	26.99	0.3	.25	110	55.7	44.2	0.0	0.1	INC VAC	
GW29	OP	7.6	7.1	33.91	34.15	1.2	1.3	99	55.0	44.8	0.0	0.1	INC VAC	
GW28	OP	2.0	3.0	5.90	7.21	1.2	1.4	95	58.3	40.9	0.0	0.8	INC VAC.	
GW27	OP	4.0	6.0	8.30	10.13	2.5	2.7	94	57.5	36.0	0.0	6.6	INC VAC.	
GW26	OP	1.0	0.0	4.20	0.0	3.0	.20	87	43.8	28.7	2.9	24.9	RED VAC.	
GW25	OP	1.0	2.0	4.20	5.90	2.5	2.7	90	56.1	33.6	0.0	10.4	INC VAC.	
GW24	OP	1.0	1.0	4.20	4.20	.60	.60	87	44.8	28.5	0.5	25.8	NAR	
GW23	OP	1.0	1.0	4.20	4.20	2.6	2.8	85	56.2	34.6	0.0	9.3	INC VAC.	
GW22	OP	1.0	1.0	4.20	4.20	.50	.50	90	43.2	30.4	0.0	26.4	NAR	
GW21	OP	1.0	2.0	4.20	0.0	.40	.10	87	38.2	25.1	3.0	33.7	RED VAC.	
GW20	OP	1.0	0.0	4.20	0.0	.50	.10	87	25.9	27.4	0.0	46.7	RED VAC.	
GW19	OP	1.0	1.0	4.20	4.20	.70	.70	80	42.6	29.3	0.0	28.1	NAR.	
GW18	OP	0.0	0.0	0.0	0.0	.50	.40	84	43.4	31.5	0.0	25.0	RED VAC	
GW17	OP	0.0	0.0	0.0	0.0	.10	.05	80	22.5	22.4	0.0	55.3	RED VAC	
V03	OP	0.0	0.0	0.0	0.0	2.9	2.5	81	31.1	24.9	0.0	44.3	RED VAC	

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		Start "w.c.	Finish "w.c.	Start (CFM)	Finish (CFM)	Start "w.c.	Finish "w.c.		CH ₄ %	CO ₂ %	O ₂ %			
V01	OP	0.0	0.0	0.0	0.0	0.1	0.8	85	64.9	34.7	0.0	0.1	INC VAC	
V02	OP	0.0	0.0	0.0	0.0	0.10	0.20	89	60.3	33.6	0.0	0.1	INC VAC	
V04	PT	0.0	0.10	0.0	21.47	0.40	0.60	83	59.0	34.2	0.0	0.0	INC VAC	
V05	OP	0.20	0.30	5.90	7.21	2.9	3.0	86	61.2	38.7	0.0	0.1	INC VAC	
SV06	OP	0.0	0.0	0.0	0.0	0.10	0.10	87	40.3	40.0	1.3	12.5	NAR	
SV07	OP	0.0	0.0	0.0	0.0	0.20	0.20	89	50.6	47.0	0.0	2.3	NAR	
GW291	OP	0.0	0.10	0.0	4.20	2.8	2.9	94	56.9	39.0	0.9	3.3	INC VAC	
GW302	OP	0.0	0.0	0.0	0.0	0.4	0.4	97	53.7	45.7	0.0	0.1	NAR	
GW314	OP	0.0	0.0	0.0	0.0	0.0	0.0	90	12.5	22.4	0.1	58.1	BV CLOSED - LEFT CLOSED	
GW303	OP	0.0	0.0	0.0	0.0	5.0	5.0	96	55.4	44.5	0.0	0.0	NAR	
GW353	OP	0.0	0.10	0.0	4.20	0.0	0.30	88	34.2	31.4	2.7	31.5	BV CLOSED - OPEN 2V INC VAC	
GW352	OP	0.0	0.0	0.0	0.0	4.7	4.7	84	55.6	44.0	0.0	0.1	NAR	
GW351	OP	0.10	0.10	4.20	4.20	8.7	8.7	91	55.0	44.1	0.0	0.2	NAR	
GW343	PT	0.07	0.10	16.46	4.20	1.6	1.8	103	55.1	44.8	0.0	0.1	INC VAC	
GW333	OP	0.05	0.05	13.33	19.21	2.4	2.4	112	57.1	42.8	0.0	0.1	NAR	
GW323	PT	0.10	0.10	21.47	21.47	2.8	2.8	120	57.2	42.4	0.2	0.1	NAR	
GW313	PT	0.0	0.0	0.0	0.0	1.9	2.0	118	55.4	42.0	0.0	2.5	INC VAC	
GW312	PT	0.0	0.0	0.0	0.0	3.3	3.3	127	52.0	41.1	0.0	7.2	NAR	
GW322	PT	0.2	0.2	9.30	9.30	0.5	0.5	128	51.2	42.8	0.0	5.7	NAR	
GW332	OP	1.6	1.6	16.41	16.41	0.8	0.8	124	49.7	42.3	0.0	8.1	NAR	
GW301	OP	3.0	3.0	22.36	22.36	2.4	2.4	112	55.9	43.4	0.0	0.5	NAR	

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		Start "w.c.	Finish "w.c.	Start (CFM)	Finish (CFM)	Start "w.c.	Finish "w.c.	Temp °F	CH ₄ %	CO ₂ %	O ₂ %			
GW311	OP	.10	.10	4.20	4.26	.50	.50	102	53.3	46.7	0.0	0.0	0.0	NAR
GW321	OP	0.0	0.0	0.0	0.0	.10	.30	89	53.4	45.3	0.0	0.0	0.1	INC VAC
GW331	OP	.10	.10	4.20	4.20	.10	.20	101	47.3	44.6	0.0	0.0	1.3	INC VAC
GW342	PT	2.0	2.0	102.3	102.3	3.0	3.0	94	55.8	44.1	0.0	0.0	0.1	NAR
GW341	OP	.10	.20	4.20	5.90	2.4	2.6	110	55.6	42.5	0.0	0.0	1.9	INC VAC
GW401	OP	.30	.30	7.21	7.21	1.9	1.9	114	52.1	39.8	0.0	0.0	8.1	NAR
GW402	OP	.01	.01	1.90	1.90	1.3	1.0	113	44.0	40.1	0.0	0.0	15.9	RED VAC
GW403	OP	0.0	0.0	0.0	0.0	0.0	0.0	121	3.1	27.9	18.0	18.0	51.6	BV CLOSED - LEFT CLOSED
GW404	OP	.20	.20	7.21	7.21	1.5	1.5	125	54.7	45.2	0.0	0.0	0.1	NAR
HC-A1	PT	0.0	0.0	0.0	0.0	0.0	0.0	102	2.4	18.1	11.5	11.5	67.8	BV CLOSED - LEFT CLOSED
HC-A2	PT	0.0	0.0	0.0	0.0	0.0	0.0	104	5.4	38.2	0.0	0.0	50.4	BV CLOSED - LEFT CLOSED
HC-A3	PT	0.0	0.0	0.0	0.0	0.0	0.0	96	0.3	1.9	16.1	16.1	81.0	BV CLOSED - LEFT CLOSED
HC-A4	PT	0.0	0.0	0.0	0.0	0.0	0.0	93	0.1	0.7	17.0	17.0	82.7	BV CLOSED - LEFT CLOSED
HC-A5	PT	0.0	0.0	0.0	0.0	0.0	0.0	89	0.3	1.1	14.0	14.0	82.5	BV CLOSED - LEFT CLOSED
HC-A6	OP	0.0	0.0	0.0	0.0	.02	.08	88	50.1	40.3	0.0	0.0	3.3	INC VAC
HC-A7	OP	.10	.10	4.20	4.20	.10	.10	95	53.5	39.9	0.0	0.0	0.6	NAR
HC-A8	OP	.10	.10	4.20	4.20	1.1	1.1	97	48.8	37.4	0.0	0.0	13.8	NAR
HC-A9	OP	0.0	0.0	0.0	0.0	.20	.20	103	52.4	38.0	0.0	0.0	9.3	NAR
HC-B1	OP	0.0	0.0	0.0	0.0	0.0	0.0	90	2.0	11.1	12.4	12.4	74.6	BV CLOSED - LEFT CLOSED
HC-B2	OP	0.0	0.0	0.0	0.0	0.0	0.0	89	0.1	0.5	17.4	17.4	82.1	BV CLOSED - LEFT CLOSED
HC-B3	PT	0.0	0.0	0.0	0.0	0.0	0.0	104	0.2	0.8	17.0	17.0	81.9	BV CLOSED - LEFT CLOSED

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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 ₄ %	CO ₂ %	O ₂ %			
HC-C1	PT	0.0	0.0	0.0	0.0	0.0	0.0	84	0.2	2.2	15.7	0.5	BV CLOSED - LEFT CLOSED	
HC-C2	PT	0.0	0.0	0.0	0.0	0.0	0.0	87	0.4	5.1	16.3	78.0	BV CLOSED - LEFT CLOSED	
HC-C3	PT	0.0	0.0	0.0	0.0	0.0	0.0	98	12.6	23.2	1.8	62.0	BV CLOSED - LEFT CLOSED	
HC-C4	PT	0.0	0.0	0.0	0.0	0.0	0.0	104	18.1	22.9	3.4	55.8	BV CLOSED - LEFT CLOSED	
HC-D1	PT	0.0	0.0	0.0	0.0	0.0	0.0	85	2.9	11.3	14.2	7.5	BV CLOSED - LEFT CLOSED	
HC-D2	PT	0.0	0.0	0.0	0.0	0.0	0.0	81	0.8	1.9	7.0	80.3	BV CLOSED - LEFT CLOSED	
HC-D3	PT	0.0	0.0	0.0	0.0	0.0	0.0	NAR	17.2	17.5	9.9	54.8	BV CLOSED - LEFT CLOSED	
HC-D4	PT	0.0	0.0	0.0	0.0	5.5	5.5	100	5.1	49.1	0.2	0.0	NAR	
HC-E1	PT	0.0	0.0	0.0	0.0	0.0	0.0	90	10.6	36.9	0.5	47.3	BV CLOSED - LEFT CLOSED	
HC-E2	OP	0.0	0.0	0.0	0.0	7.2	7.2	87	5.0	43.8	0.2	4.8	NAR	
HC-E3	PT	0.0	0.0	0.0	0.0	5.5	0.0	98	29.8	26.5	5.6	39.6	RED VAC - RE TEST	
HC-E4	PT	0.0	0.0	0.0	0.0	0.0	0.0	114	0.5	2.7	15.1	81.7	BV CLOSED - LEFT CLOSED	
HC-J1	OP	0.0	1.0	0.0	4.20	1.0	2.0	90	55.4	43.3	0.5	0.9	INC VAC	
HC-J2	OP	0.0	0.0	0.0	0.0	1.3	1.3	86	55.8	43.5	0.0	0.8	NAR - MAX VAC	
HC-J3	OP	7.5	7.6	35.08	35.31	8.0	9.0	92	55.5	43.7	0.0	1.1	INC VAC	
HC-J4	OP	6.0	10.0	10.13	10.13	9.5	9.5	94	50.5	43.6	0.0	0.1	NAR	
HC-K1	PT	0.0	0.0	0.0	0.0	8.0	8.0	112	54.9	45.1	0.0	0.1	NAR	
HC-K2	PT	0.0	0.0	0.0	0.0	9.5	9.5	121	53.8	45.1	0.0	1.0	NAR	
HC-K3	PT	0.0	0.0	0.0	0.0	3.0	3.0	126	53.9	44.9	0.0	1.0	NAR	

NAME: JOHN TRANFINA + JOSH LUCE
DATE: 6-15-12
WEATHER: SUNNY
TEMP: 84°F

* NAR - No Adjustment Required
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Inc Vac - Increased Vacuum

