

Martin County Gas Collection System
Monthly Landfill Gas Wells Balance Data Log

Staff: JOHN T & JESSA LUCE
 Date: 2-2-12
 Weather Conditions: PARTLY CLOUDY
 Temperature: 75°
 Testirg: Monitoring

Barometric Pressure	Start	Finish	Time
	30.16	30.06	1:00
			10:42

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 %		
GW37	OP	0.0	0.0	0.0	0.0	.10	.10	85	38.6	34.8	0.0	36.6	NAR
GW36	OP	0.0	0.0	0.0	0.0	.02	.02	82	23.2	30.4	0.0	46.6	NAR
GW35	OP	0.0	0.0	0.0	0.0	0.0	0.0	84	0.1	18.0	1.3	80.8	BV CLOSED - LEFT CLOSED
GW34	OP	0.0	.10	0.0	4.26	.10	.30	81	72.1	21.4	1.0	5.7	INC VAC
GW33	OP	.30	.30	7.21	7.21	.10	.10	80	48.9	24.3	0.7	26.4	NAR
GW32	OP	.10	0.0	4.26	0.0	.30	0.0	83	16.3	22.0	0.9	60.8	CLOSED BV
GW31	OP	0.0	0.0	0.0	0.0	.10	.06	82	42.1	31.7	0.0	26.1	REP VAC
GW29	OP	.10	.04	4.26	2.68	.40	.30	79	42.6	31.6	0.0	25.8	REP VAC
GW28	OP	0.0	0.0	0.0	0.0	0.0	0.0	81	1.6	15.1	17.1	70.0	BV CLOSED - LEFT CLOSED
GW27	OP	.10	.05	4.26	9.26	9.6	9.4	76	63.5	22.1	2.1	11.1	REP VAC
GW26	OP	0.0	.10	0.0	4.26	.30	.40	79	69.5	22.7	0.0	7.4	INC VAC
GW25	OP	0.0	.40	0.0	8.30	.03	.10	86	71.8	28.1	0.0	0.1	INC VAC
GW24	OP	0.0	0.0	0.0	0.0	0.0	0.0	89	2.1	24.6	4.7	67.9	BV CLOSED - LEFT CLOSED
GW23	OP	0.0	.03	0.0	1.90	0.0	.10	91	61.9	38.2	0.0	0.1	REP BV CLOSED - INC VAC

* 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 %			
GW22	OP	.26	0.0	5.90	0.0	.02	0.0	74	6.2	13.0	5.0	74.3	RED VAC - RETEST -	RETEST RAR
GW20	OP	.10	.20	4.26	5.90	1.0	1.9	72	66.7	23.5	0.3	9.2	INC VAC	CLOSED RV
GW19	OP	.10	.20	4.20	5.96	.70	1.0	76	72.9	27.0	0.0	0.1	INC VAC	
GW18	OP	.10	.06	4.20	3.27	2.5	2.3	80	44.1	19.7	0.0	30.4	RED VAC	
GW17	OP	.10	.03	4.20	1.96	1.6	1.4	69	45.8	20.9	0.0	33.3	RED VAC	
GW16	OP	0.0	0.0	0.0	0.0	.70	.70	74	52.6	16.6	0.0	30.8	NAR	
GW15	OP	0.0	0.0	0.0	0.0	3.0	3.0	79	71.4	28.0	0.0	0.0	NAR	
GW14	OP	.10	.10	4.26	4.20	11.8	11.8	81	62.3	37.6	0.0	0.1	NAR	
GW13	OP	0.0	0.0	0.0	0.0	0.0	0.0	78	0.8	0.5	1.90	79.8	BV CLOSED - LEFT CLOSED	
GW10	OP	0.0	0.0	0.0	0.0	0.0	0.0	82	0.1	0.0	20.8	79.1	BV CLOSED - LEFT CLOSED	
GW09	OP	0.0	0.0	0.0	0.0	0.0	0.0	73	6.1	3.4	18.8	71.8	BV CLOSED - LEFT CLOSED	
GW08	OP	0.0	0.0	0.0	0.0	0.0	0.0	75	0.0	0.0	20.6	79.3	BV CLOSED - LEFT CLOSED	
GW07	OP	0.0	.10	0.0	4.26	.40	.60	96	77.9	21.7	0.0	0.3	INC VAC	
GW06	OP	0.0	0.0	0.0	0.0	.60	.50	94	41.4	17.4	0.0	41.2	RED VAC	
GW05	OP	0.0	0.0	0.0	0.0	.60	.60	119	55.1	14.1	0.0	30.8	NAR	
GW04	OP	0.0	0.0	0.0	0.0	1.0	.90	77	45.5	18.5	0.0	35.9	RED VAC	
HC-3	OP	0.0	0.0	0.0	0.0	.50	.30	85	46.6	35.7	0.0	17.7	RED VAC	
L1	PT	0.0	0.0	0.0	0.0	3.50	3.5	86	58.7	41.2	0.0	0.1	NAR	

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 Red Vac - Reduced Vacuum
 Inc Vac - Increased Vacuum

1008

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 %			
K1	PT	0.0	0.0	0.0	0.0	5.5	5.5	80	55.5	31.8	0.1	12.3	NAR	
J1	PT	0.0	0.0	0.0	0.0	2.5	2.5	70	57.5	30.6	0.0	17.8	NAR	
I1	PT	1.0	0.4	21.47	13.33	7.1	6.8	91	37.2	26.1	1.8	34.9	RED VAC	
I2	PT	0.0	1.0	0.0	9.30	3.0	3.1	81	59.7	39.3	0.0	0.9	INC VAC	
J2	PT	0.0	1.0	0.0	9.30	8.0	9.0	98	56.1	43.9	0.0	0.1	INC VAC	
K2	PT	3.0	3.0	38.03	38.03	1.5	1.5	115	52.1	39.6	0.0	8.3	NAR	
L2	PT	0.0	1.0	0.0	9.30	9.0	1.0	75	56.4	43.6	0.0	0.1	INC VAC	
HC-1	PT	1.0	0.5	21.47	13.33	1.2	1.0	86	46.7	35.7	0.0	17.6	RED VAC	
HC-2	PT	0.0	0.0	0.0	0.0	0.0	0.0	82	3.1	4.8	14.8	77.2	BY CLOSED - LEFT CLOSED	
L3	PT	0.0	0.0	0.0	0.0	7.0	7.0	110	54.6	40.4	0.0	4.7	NAR	
K3	PT	2.0	3.0	30.80	30.03	1.5	1.6	112	48.3	36.8	0.0	15.0	INC VAC	
J3	PT	0.0	1.0	0.0	21.47	5.0	7.0	124	57.7	39.3	0.0	8.8	INC VAC	
I3	PT	1.0	0.5	21.47	13.33	2.0	1.0	110	47.5	36.2	0.0	16.3	RED VAC	
H2-1	PT	0.0	1.0	0.0	21.47	3.0	4.0	102	56.7	36.9	0.0	6.3	INC VAC	
H1-1	PT	0.0	0.0	0.0	0.0	1.3	1.0	70	33.2	19.3	4.1	43.3	RED VAC	
G1	PT	0.0	1.0	0.0	21.47	5.0	8.0	80	57.5	41.2	0.1	1.3	INC VAC	
F1	PT	0.0	0.0	0.0	0.0	5.1	4.8	79	47.2	32.4	3.3	21.4	RED VAC	
F2	PT	0.0	0.65	0.0	13.33	3.0	4.0	74	57.5	35.7	0.0	6.8	INC VAC	

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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 %	%		
E1	PT	0.0	0.0	0.0	0.0	0.0	0.0	77	13.7	14.0	4.9	67.5	BV CLOSED - LEFT CLOSED	
D1	PT	0.0	0.0	0.0	0.0	0.1	0.1	78	30.4	28.5	0.0	41.2	NAR	
C1	PT	0.6	0.0	0.0	0.0	0.3	0.3	85	25.6	28.0	0.0	46.7	NAR	
B1	PT	0.0	0.0	0.0	0.0	0.0	0.0	87	10.1	15.3	4.4	70.0	BV CLOSED - LEFT CLOSED	
A1	PT	0.0	0.0	0.0	0.0	0.0	0.0	76	0.1	13.8	3.0	83.2	BV CLOSED - LEFT CLOSED	
A2	PT	0.0	0.0	0.0	0.0	0.0	0.0	79	0.0	0.0	20.9	79.1	BV CLOSED - LEFT CLOSED	
B2	PT	0.0	0.0	0.0	0.0	0.0	0.0	85	19.4	24.2	0.0	56.4	BV CLOSED - LEFT CLOSED	
A3	PT	0.0	0.0	0.0	0.0	0.0	0.0	76	6.8	9.2	11.7	72.6	BV CLOSED - LEFT CLOSED	
C3	PT	0.0	0.0	0.0	0.0	0.0	0.0	76	16.4	23.0	0.0	60.0	BV CLOSED - LEFT CLOSED	
D2	PT	0.0	0.0	0.0	0.0	0.2	0.2	86	32.2	29.4	0.8	37.6	NAR	
C2	PT	0.0	0.0	0.0	0.0	0.4	0.4	83	38.1	29.8	0.0	32.1	NAR	
E2	PT	0.0	0.0	0.0	0.0	0.2	0.2	98	39.9	27.9	0.0	32.3	RED VAC	
F3	PT	0.0	0.0	0.0	0.0	0.3	0.3	103	54.7	34.7	0.0	10.5	NAR	
G2	PT	0.2	0.2	30.80	30.80	0.5	0.5	114	54.7	39.0	0.1	5.6	NAR	
H2-2	PT	0.0	0.0	0.0	21.47	0.5	0.5	94	55.5	37.7	0.0	6.0	ENC VAC	
I4	PT	0.0	0.0	0.0	0.0	0.5	0.5	90	41.9	28.8	0.0	29.3	RED VAC	
J4	PT	0.0	0.0	21.47	21.47	1.1	1.1	111	52.5	38.2	0.0	9.3	NAR	
L4	APT	0.0	0.0	0.0	16.46	1.8	1.9	91	58.4	41.5	0.0	0.0	ENC VAC	

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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 "v.c.	Finish "w.c.		CH ₄ %	CO ₂ %	O ₂ %			
K4	PT	0.0	0.0	0.0	0.0	.10	.10	84	52.0	40.3	0.0	7.8	NAR	
J5	PT	0.0	.10	0.0	21.47	.10	.30	92	60.0	37.4	0.0	2.6	INC. VAC	
I5	PT	0.0	0.0	0.0	0.0	0.0	0.0	85	14.4	17.6	0.1	68.0	BV CLOSED - LEFT CLOSED	
H3	PT	0.0	.10	0.0	21.47	.30	.50	80	58.8	40.4	0.4	0.0	INC. VAC	
G3	PT	.10	.10	21.47	21.47	2.7	2.7	75	58.9	41.2	0.0	0.1	NAR	
F4	PT	0.0	0.0	0.0	0.0	.10	.10	84	45.4	31.6	0.0	23.8	NAR	
E3	PT	0.0	0.0	0.0	0.0	.03	.03	95	23.7	27.7	0.0	49.4	NAR	
T1									0.4	1.7	17.4	80.5		
T2									8.7	15.6	3.4	72.6		
T3									0.4	0.7	17.5	81.0		
T6									28.3	27.5	0.0	44.2		
Well 1	OP	0.0	0.0	0.0	0.0	0.0	0.0	70	38.4	14.5	5.9	41.3	BV CLOSED - LEFT CLOSED	
Well 2	OP	0.0	0.0	0.0	0.0	0.0	0.0	104	0.0	1.3	19.6	79.1	BV CLOSED - LEFT CLOSED	
Well 3	OP	0.0	0.0	0.0	0.0	0.0	0.0	93	0.0	0.3	19.8	79.9	BV CLOSED - LEFT CLOSED	

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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 %			
FLARE STATION									34.4	25.8	3.5	34.6		
GAS TEMP. F		134.9							33.2	24.0	3.0	33.3		650 CFM 2-13-12
DELTA KNOCKOUT									34.3	25.6	4.5	34.2		477 CFM 2-20-12
DELTA ARRESTOR									32.9	24.1	4.0	34.9		520 CFM 2-27-12
FLARE CFM		490												
LOWER AMPS.		31.8												
POWER HOURS		#1 22940	#2 22000											
C2COW1	PT	10	20	21.47	30.80	30	40	84	58.4	37.7	0.0	3.9		INC VAC
C2COW2	PT	0.0	0.0	0.0	0.0	50	40	87	44.9	29.6	2.8	22.1		RED VAC
C2COW3	PT	0.0	0.0	0.0	0.0	0.0	0.0	85	1.0	0.0	19.7	78.7		B.V. CLOSED - LEFT CLOSED
C2DLW									1.9	2.5	17.8	77.6		
C2COW5	PT	10	20	21.47	0.0	60	0.0	92	38.0	24.1	5.7	32.1		REP VAC - REEFEST - INC VAC
C2MHW	PT	0.0	0.0	0.0	0.0	0.0	0.0	78	1.5	1.1	18.7	78.0		B.V. CLOSED - LEFT CLOSED
C2COW7	PT	0.0	0.0	0.0	0.0	0.0	0.0	83	41.7	23.9	5.0	29.7		B.V. CLOSED - LEFT CLOSED
C2COW9	PT	40	50	44.17	49.60	10	20	89	59.5	33.7	0.2	6.6		INC VAC
C2COW10	PT	0.0	0.0	0.0	0.0	0.0	0.0	80	7.9	15.0	5.1	71.9		B.V. CLOSED - LEFT CLOSED
LSW	PT	0.0	0.0	0.0	0.0	0.0	0.0	75	0.4	4.2	15.3	80.2		B.V. CLOSED - LEFT CLOSED
C2MHW1	PT	0.0	0.0	0.0	0.0	0.0	0.0	79	0.0	0.0	20.0	79.9		B.V. CLOSED - LEFT CLOSED

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 Inc Vac - Increased Vacuum

Well ID	Orifice Type	AP		Flow		Pressure (+/ Vacuum)		Finish "w.c."	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 %			
C3MHW2	PT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79	0.0	3.7	10.5	79.4	BV CLOSED - LEFT CLOSED	
C3DLW										18.2	26.8	1.8	53.3		
C3DLE										0.7	13.7	18.8	76.7		
C3MHE1	PT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	74	0.2	0.9	19.5	79.4	BV CLOSED - LEFT CLOSED	
C3MHE2	PT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	77	0.5	0.5	19.4	79.6	BV CLOSED - LEFT CLOSED	
LSE	PT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	76	0.1	0.1	18.9	80.9	BV CLOSED - LEFT CLOSED	
C2COE10	PT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	91	23.1	13.5	11.6	51.7	RED VAC - RETEST - <u>RETEST GOOD INC VAC</u>	
C2COE09	PT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	82	22.6	13.6	11.4	52.6	RED VAC - RETEST - <u>RETEST GOOD INC VAC</u>	
C2DLE										10.5	17.0	2.5	69.9		
C2HCOE	PT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	89	21.2	12.5	12.6	53.7	RED VAC - RETEST - <u>RETEST GOOD INC VAC</u>	
C2COE07	PT	0.0	0.0	2.47	0.0	0.0	0.0	0.0	86	18.2	10.6	14.2	57.1	RED VAC - RETEST - <u>RETEST GOOD INC VAC</u>	
C2MHE	PT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	78	4.2	3.8	18.2	73.8	BV CLOSED - LEFT CLOSED	
C2COE05	PT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	79	0.5	0.1	19.4	79.9	BV CLOSED - LEFT CLOSED	
C2COE04	PT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80	19.9	11.9	11.1	57.2	BV CLOSED - LEFT CLOSED	
C2COE03	PT	0.0	0.3	0.0	0.0	0.0	0.0	0.0	80	59.4	36.6	1.0	2.9	INC VAC	
C2COE01	PT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	85	0.0	0.0	20.1	79.9	BV CLOSED - LEFT CLOSED	
C2COE01A	PT	0.0	0.0	0.0	0.0	0.0	0.0	0.0	80	0.1	0.0	18.9	80.8	BV CLOSED - LEFT CLOSED	

NAME: JOHN T & JOSH LUCCI

DATE: 2-7-12

WEATHER: MOSTLY CLOUDY

TEMP: 72°

Monitoring

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

