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March 11, 2014

Mr. John Morris, P.G.  
Florida Department of Environmental Protection  
Southwest District Office - Solid Waste Section  
13051 N. Telecom Parkway  
Temple Terrace, Florida 33637-0926

**Re: Manatee County Lena Road Landfill  
Monthly Report – February 2014**

Dear Mr. Morris:

This letter includes the following monthly reports: Monthly Water Balance Report (Exhibit A), Monthly Leachate Tracking Summary - 2014 (Exhibit B), Monthly Leachate Meter Readings, Monthly Rainfall, and Monthly Groundwater Gradient Report.

An inward gradient was present in the Stage I Landfill and the Stage III Landfill.

If you should have any questions concerning this report, please call me at 407/806-4156.

Sincerely,

Raymundo Castro, P.E.  
Project Engineer

Attachments

cc: C. Mike Gore, Manatee County Utilities Department Director  
Bryan White, Manatee County Landfill Superintendent  
Anthony Detweiler, Manatee County Landfill Operations Supervisor  
File – 120498.94 0100

# EXHIBIT A

## MANATEE COUNTY SOLID WASTE MANAGEMENT FACILITY

### LENA ROAD LANDFILL

#### MONTHLY WATER BALANCE REPORT

### FEBRUARY, 2014

A	B	C	D	E	F	G	H
DATE	LEACHATE STAGE I Lift Station 1 (gallons)	LEACHATE STAGE I Lift Station 2 (gallons)	LEACHATE STAGE I TOTAL (gallons)	LEACHATE STAGE III TOTAL (gallons)	TOTAL LEACHATE PUMPED (gallons)	RAINFALL (inches)	RAINFALL (gallons)
01-Feb-14	0	0	0	0	0	0.25	1,140,553
02-Feb-14	0	0	0	0	0	0.00	0
03-Feb-14	46,600	1,700	48,300	29,400	77,700	0.00	0
04-Feb-14	15,570	450	16,020	8,900	24,920	0.00	0
05-Feb-14	15,560	440	16,000	10,300	26,300	0.00	0
06-Feb-14	15,500	400	15,900	8,900	24,800	0.00	0
07-Feb-14	14,320	360	14,680	9,200	23,880	0.03	136,866
08-Feb-14	0	0	0	0	0	0.00	0
09-Feb-14	0	0	0	0	0	0.00	0
10-Feb-14	45,920	1,070	46,990	27,400	74,390	0.00	0
11-Feb-14	15,570	360	15,930	9,200	25,130	0.00	0
12-Feb-14	15,890	360	16,250	10,500	26,750	2.20	10,036,869
13-Feb-14	19,370	500	19,870	13,300	33,170	0.00	0
14-Feb-14	15,120	310	15,430	10,700	26,130	0.00	0
15-Feb-14	0	0	0	0	0	0.00	0
16-Feb-14	0	0	0	0	0	0.00	0
17-Feb-14	0	0	0	0	0	0.00	0
18-Feb-14	55,180	1,130	56,310	(11,300)	45,010	0.00	0
19-Feb-14	14,030	220	14,250	41,300	55,550	0.00	0
20-Feb-14	16,020	410	16,430	13,300	29,730	0.00	0
21-Feb-14	16,360	360	16,720	11,700	28,420	0.00	0
22-Feb-14	0	0	0	0	0	0.35	1,596,775
23-Feb-14	0	0	0	0	0	0.00	0
24-Feb-14	46,710	60	46,770	31,100	77,870	0.00	0
25-Feb-14	15,040	0	15,040	10,600	25,640	0.00	0
26-Feb-14	16,860	160	17,020	12,000	29,020	0.29	1,323,042
27-Feb-14	17,740	0	17,740	10,400	28,140	0.06	273,733
28-Feb-14	15,010	0	15,010	9,000	24,010	0.00	0
<b>TOTAL</b>	<b>432,370</b>	<b>8,290</b>	<b>440,660</b>	<b>265,900</b>	<b>706,560</b>	<b>3.18</b>	<b>14,507,837</b>
Leachate Pumped as Percentage of Rainfall			5.0%	4.7%			

**Column Notes:**

- A - Date of reading.
- B - Leachate pumped (gallons) from Stage I by lift station 1.
- C - Leachate pumped (gallons) from Stage I by lift station 2.
- D - Total Stage I leachate pumpage (B+C).
- E - Leachate pumped (gallons) from Stage III.
- F - Total leachate pumped to WWTP storage tank (D+E).
- G - Rainfall (inches) recorded on this date.
- H - Rainfall (gallons) calculated based on open area (G x Area x 27,156 gal/acre-in).

	Stage I (acres)	Stage III (acres)	TOTAL (acres)
Initial Cover	--	66.0	66.0
Intermediate Cover	102.0	--	102.0
Closed	30.0	--	30.0
<b>TOTAL</b>	<b>132.0</b>	<b>66.0</b>	<b>198.0</b>
<b>Open Area</b>	<b>102.0</b>	<b>66.0</b>	<b>168.0</b>

**Comments**