



39884

An employee-owned company

August 13, 2007

Susan J. Pelz, P.E.
Solid Waste Manager
Southwest District
13051 North Telecom Parkway
Temple Terrace, Florida 33637

Florida Department of
Environmental
Protection
100
Southwest District

RE: Lena Road Landfill, Manatee County
WACS ID No.: SWD-41-44795
Landfill Operation Permit No.: 39884-010-SO/01
Capacity Report

Dear Ms Pelz:

PBS&J is submitting this Capacity Report on behalf of Manatee County as required by Landfill Operation Permit Specific Condition D.1.e. Capacity Report.

Enclosed with this letter are four copies each of the annual aerial photograph dated February 24, 2007, topographic maps of the Stage I Landfill and Stage III Landfill based on this aerial photograph and a spread sheet entitled "Manatee County Lena Road Landfill – Remaining Landfill Life Estimate." The topographic map shows that the overall exterior landfill side slopes are no greater than 5H:1V, and the Stage I Landfill at El. 131.9 is less than the permitted design peak elevation of 136. The aerial photograph and topographic landfill show that the other design features and related improvements conform to the Department-approved Permit Renewal Drawings and other supporting information.

Sincerely,

Joseph L. Miller, P.E. #39177
Project Engineer

Cc: Gus DiFonzo, Manatee County w/ 2 copies
File 120498.34

List of Attachments

Aerial Photograph Dated February 24, 2007
Stage I Landfill and Stage III Landfill Topography based on 02/24/07 Aerial Photograph
Spread sheet "Manatee County Lena Road Landfill – Remaining Landfill Life Estimate"

U:\SO\Projects\Manatee County\SW-49 Aerial Survey 2005\Landfill Life Ltr to FDEP August 28, 2006.doc

Manatee County Lena Road Landfill
REMAINING LANDFILL LIFE ESTIMATE
21-May-07

Landfill	Estimated Design Capacity Cubic Yards	Estimated Volume Used as of July 16, 2006 Cubic Yards	Estimated Volume Used July 16, 2006 to February 24, 2007 Cubic Yards	Estimated Volume Remaining as of February 24, 2007 Cubic Yards
Stage I	13,179,520	13,158,153	Note 2	-
Stage II	12,705,440	-	-	12,705,440
Stage III	6,751,640	2,098,600	351,000	4,302,040
Totals	32,636,600	15,256,753	351,000	17,007,480

Remaining Landfill Life in Years Based on Annualized Filling Rate of 571,942 CY for 2007 29.6
Estimated Final Year of Landfill Based on Filling Rate for 2007 2037

Remaining Landfill Life in Years Based on Average Annual Filling Rate from 1999 to 2007 32
Estimated Final Year of Landfill Based on Average Annual Filling Rate from 1999 to 2007 2039

Notes:

1. Landfill volumes were calculated by I.F. Rooks & Associates, Inc. based on an aerial photograph taken on February 24, 2007.
2. Solid waste disposal moved from the Stage I Landfill to the Stage III Landfill on January 15, 2004.

COMPARISON OF PERCENT CHANGE IN FILLING RATE TO PERCENT CHANGE IN SOLID WASTE TONNAGE LANDFILLED				
Year	FILLING RATE		SOLID WASTE TONNAGE LANDFILLED	
	Annual Rate in CY	Percent Change	Annual Tonnage Landfilled	Percent Change
1999	461,500		338,746	
2000	610,800	32%	339,358	0%
2001	518,100	-15%	363,925	7%
2002	479,600	-7%	340,977	-6%
2003	479,500	0%	343,500	1%
2004	446,800	-7%	363,387	6%
2005	569,200	27%	389,258	7%
2006	677,800	19%	376,493	-3%
2007 *	571,942	-9%	350,072	-7%
Total	4,815,242	cubic yards	3,205,716	tons
Average	535,027	cubic yards per year	356,191	tons per year
		Average Density	1,331	pounds per cubic yard

* The 2007 annual rate was based on the 224 days between the July 16, 2006 aerial photograph and the February 24, 2007 aerial photograph.

FLORIDA DEPARTMENT OF
 ENVIRONMENTAL PROTECTION
 AUG 15 2007
 SOUTHWEST DISTRICT
 TAMPA

Manatee County Lena Road Landfill

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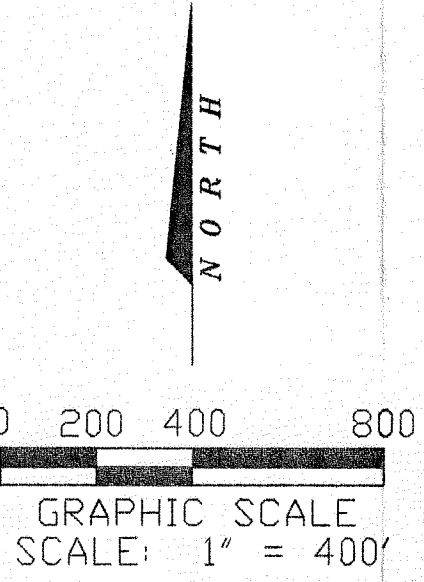
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Dept. of Environmental
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AUG 15 2007
Southwest District



NORTH

GRAPHIC SCALE
SCALE: 1" = 100'

A horizontal scale bar with alternating black and white segments. The segments are labeled 0, 50, 100, and 200, representing feet. The bar is oriented vertically in the image.