



November 7, 2005

Susan J. Pelz, P.E.
Solid Waste Manager
Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

RE: Lena Road Landfill, Manatee County
Landfill Operation Permit No.: 39884-010-SO-SO/01

Dear Ms Pelz:

PBS&J is submitting this letter on behalf of Manatee County as required by the above referenced landfill operation permit.

Annual Aerial Photograph and Topography

As required by Landfill Operation Permit Specific Condition D.1.e, enclosed with this letter are four copies of the annual aerial photograph dated July 26, 2005, a topographic map of the Stage I Landfill based on this aerial photograph, and a topographic map of the Stage III Landfill. This topographic map shows that the overall exterior landfill side slopes are no greater than 5H:1V, and the Stage I Landfill at El. 132.4 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.

Certification of Construction Completion

Attached to the Stage III Landfill topographic map is the certification of construction completion related to the excavation of soil from the landfill foundation prior to placing solid waste. The area for the certification is highlighted in yellow on the topographic map, and can be described as the area north of the old landfill access road between the road and the northern slurry wall. The design depth of excavation was limited to no deeper than El. 29. The topographic survey shows that the excavation is no deeper than El. 30. Upon completion of the replacement of the leachate collection system along the northern slurry wall, Manatee County plans to proceed with filling this area with solid waste. Filling may start as early as December 15, 2005, or be delayed until after January 1, 2006. FDEP is requested to inspect this area December 1, 2006, but the inspection can be scheduled at the convenience of your office.

Ms. Susan Pelz, P.E.
Solid Waste Manager, Southwest District
November 7, 2005

Lena Road Class I Landfill
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Remaining Landfill Life Calculation

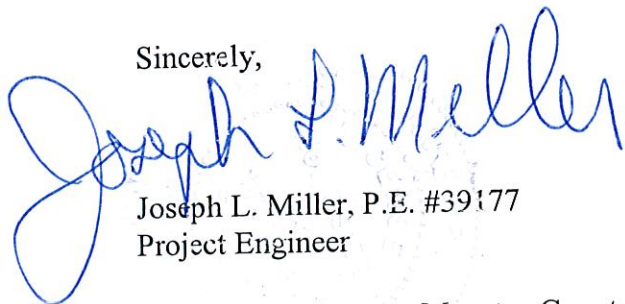
The Lena Road Landfill estimated solid waste design capacity is 32.6 million cubic yards. From the landfill topography based on the July 26, 2005 aerial photograph, it is estimated that 14.6 million cubic yards of landfill capacity has been consumed, and there is a remaining capacity of 18.0 million cubic yards. At an average annual filling rate of 500,000 cubic yards per year as measured between 1991 and 2005, the landfill has a remaining life of 36 years or will be full in the year 2041. The landfill remaining capacity by stages is summarized below:

<u>Landfill Stage</u>	<u>Design Capacity</u>	<u>Remaining Capacity</u>	<u>Remaining Life</u>
I	13.2 million C.Y	0	0
II	12.7 million C.Y.	12.7 million C.Y.	25.4 years
III	6.8 million C.Y.	5.3 million C.Y.	10.6 years
Totals	32.6 million C.Y.	18.0 million C.Y.	36 years

Financial Assurance Cost Estimate Update

Enclosed with this letter are four copies of the Financial Assurance Cost Estimate Form updated for 2005 using a 2% inflation factor, which by Landfill Operation Permit Specific Condition D.3.a is due by March 1, 2006.

Sincerely,



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

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

U:\OldG\WASTEMAN\Manatee County\SW-34 Renew Lena Operation Permit\Application\Landfill Life Ltr to FDEP Nov 7 '05.doc

List of Attachments

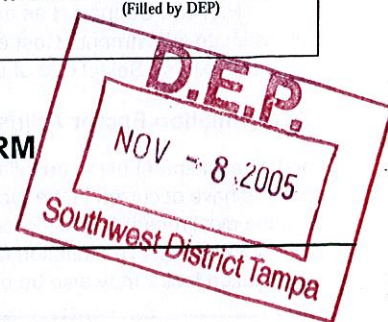
Aerial Photograph Dated July 26, 2005
Stage I Landfill Topography based on July 26, 2005 Aerial Photograph
Stage III Landfill Topography based on July 26, 2005 Aerial Photograph
Certificate of Construction Completion
Financial Assurance Cost Estimate Update dated November 3, 2005



Florida Department of Environmental Protection
Twin Towers Office Bldg. • 2600 Blair Stone Road • Tallahassee, FL 32399-2400

DEP Form # 62-701.900(28)
Form Title Financial Assurance Cost Estimate Form
Effective Date 05-27-01
DEP Application No. _____
(Filled by DEP)

FINANCIAL ASSURANCE COST ESTIMATE FORM



Date: Nov. 3, 2005

Date of DEP Approval: _____

I. GENERAL INFORMATION:

Facility Name: Manatee County Lena Road Landfill WACS or GMSID #: SWD-41-44795

Permit / Application No.: 39884-010-SO/01 Expiration Date: 6-13-2010

Facility Address: 3333 Lena Road, Bradenton, FL 34202

Permittee: Manatee County: Attn: Mr. Dan Gray, Utility Operations Director

Mailing Address: 4410 66th Street West, Bradenton, FL 34210

Latitude: 27°28'10"

Longitude: 82°26'35"

or UTM: _____

Solid Waste Disposal Units Included in Estimate:

Phase / Cell	Acres	Date Unit Began Accepting Waste	Design Life of Unit From Date of Initial Receipt of Waste
Stage I	132	1972	32 years
Stage III	66	2004	10 years
Stage II	118	2017	20 years

Total Landfill Acreage included in this estimate. 286 Closure 316 Long-Term Care

Type of landfill: ☒ Class I ☐ Class III ☐ C&D Debris

II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check Type)

☐ Letter of Credit*

☐ Insurance Certificate

☐ Performance Bond*

☒ Escrow Account

☐ Guaranty Bond*

☐ Trust Fund Agreement

*Indicates mechanisms that require use of a Standby Trust Fund Agreement

Northwest District
160 Governmental Center
Pensacola, FL 32501-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. B200
Jacksonville, FL 32256-7590
904-448-4300

Central District
3319 Maguire Blvd., Ste. 232
Orlando, FL 32803-3767
407-894-7555

Southwest District
3804 Coconut Palm Dr.
Tampa, FL 33619
813-744-6100

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
941-332-6975

Southeast District
400 North Congress Ave.
West Palm Beach, FL 33401
561-681-6600

III. ESTIMATE ADJUSTMENT

40 CFR Part 264 Subpart H as adopted by reference in Rule 62-701.630, Florida Administrative Code sets forth the method of annual cost estimate adjustment. Cost estimates may be adjusted by using an inflation factor or by recalculating the maximum costs of closure in current dollars. Select one of the methods of cost estimate adjustment below.

☒ (a) Inflation Factor Adjustment

Inflation adjustment using an inflation factor may only be made when a Department approved closure cost estimate exists and no changes have occurred in the facility operation which would necessitate modification to the closure plan. The inflation factor is derived from the most recent Implicit Price Deflator for Gross National Product published by the U.S. Department of Commerce in its survey of Current Business. The inflation factor is the result of dividing the latest published annual Deflator by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste Financial Coordinator at (850)-488-0300.

This adjustment is based on the Department approved closure cost estimate dated: June 24, 2004

Latest Department Approved Closure Cost Estimate:		Current Year Inflation Factor		Inflation Adjusted Closure Cost Estimate:
\$33,880,710.90	X	1.02	=	\$34,558,325.12

This adjustment is based on the Department approved long-term care cost estimate dated: _____

Latest Department Approved Annual Long-Term Care Cost Estimate:		Current Year Inflation Factor		Inflation Adjusted Annual Long-Term Care Cost Estimate:
\$799,400.00	X	1.02	=	\$815,388.00
Number of Years of Long Term Care Remaining:			X	30
Inflation Adjusted Long-Term Care Cost Estimate:			=	24,461,640.00

☐ (b) Recalculate Estimates (see section V)

IV. CERTIFICATION BY ENGINEER

This is to certify that the Financial Assurance Cost Estimates pertaining to the engineering features of the this solid waste management facility have been examined by me and found to conform to engineering principals applicable to such facilities. In my professional judgement, the Cost Estimates are a true, correct and complete representation of the financial liabilities for closing and long-term care of the facility and comply with the requirements of Florida Administrative Code (F.A.C.), Rule 62-701.630 and all other Department of Environmental Protection rules, and statutes of the State of Florida. It is understood that the Financial Assurance Cost Estimates shall be submitted to the Department annually, revised or adjusted as required by Rule 62-701.630(4), F.A.C.

Joseph L. Miller
Signature of Engineer

Joseph L. Miller, P.E.

Name & Title (please type)

39177 (Dated November 3, 2005)

Florida Registration Number (affix seal) & Date

482 S. Keller Road Orlando, FL 32810

Mailing Address

407-647-7275, ext. 4153

Telephone Number

Signature of Owner/Operator

Daniel T. Gray, Utility Operations Dir

Name & Title (please type)

(941) 792-8811

Telephone Number