



Jeb Bush
Governor

Department of Environmental Protection

Southwest District
3804 Coconut Palm Drive
Tampa, Florida 33619

RECEIVED

DEC 12 2002

Solid Waste Section

David B. Struhs
Secretary

Mr. Paul Wingler, P.E.
Sarasota County Solid Waste Department
4000 Knights Trail Road
Nokomis, Fl. 34275

December 9, 2002

RE: Sarasota Central County Solid Waste Complex
Financial Assurance Cost Estimates
Permit Nos.: SO58-299180, Class I Landfill
134912-001-SO, MRF
126775-001-WT, Waste Tire Processing Facility

Dear Mr. Wingler:

This letter is to acknowledge receipt of the revised cost estimates dated October 28, 2002 (received October 31, 2002) for closing and long-term care of the Sarasota County Central County Landfill and related facilities. The cost estimates received October 31, 2002 (total closing \$36,631,050.84 and \$602,514.20 x 30 years = \$18,075,426.07 total long-term care), are **APPROVED for 2002**. Please be reminded that the next annual cost adjustment statement (inflation-adjusted or revised estimates) is due no later than September 1, 2003.

A copy of these estimates will be forwarded to Mr. Fred Wick, Solid Waste Section, FDEP, 2600 Blair Stone Road, Tallahassee, Florida 32399-2407. Please work with him directly to assess the facility's compliance with the funding mechanism requirements of Rule 62-701.630, F.A.C. If you have any questions, you may contact me at (813) 744-6100 ext. 386.

Sincerely,

Susan J. Pelz, P.E.
Solid Waste Manager
Southwest District

sjp
cc: Gary Bennett, Sarasota County Solid Waste Operations Manager, 4000 Knights Trail Road,
Nokomis, Fl. 34275
Fred Wick, FDEP, Tallahassee, w/attachment
Kim Ford, P.E., FDEP Tampa

Final Work



SARASOTA COUNTY

"Dedicated to Quality Service"

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DEC 12 2002

October 28, 2002

Susan J. Pelz, P.E.
Florida Department of Environmental Protection
Solid Waste Section - Southwest District
3804 Coconut Palm Drive
Tampa, FL 33619-8318

Solid Waste Section



Re: Central County Solid Waste Disposal Complex
Financial Assurance Cost Estimate Form (FACE) - 2002
Permit Nos: S058-299180 Class I Landfill
134912-001-SO Materials Recovery Facility
126775-001-WT Waste Tire Processing Facility

Dear Ms. Pelz:

This submission is in response to your fax transmittal of October 17, 2002. I believe that the incorporated modifications and information will satisfy the requirement.

Closing Cost:

- 1) Top Soil Modified as suggested
- 2) Professional Services Modified as suggested

Long-term Care:

- 3) Security

We have not experienced any fence damage since our opening in June 1998 due to the large buffer and the separation of our fencing to any traveled way. However, I have included an allotment for replacement of 100 ft of fencing per year, at \$12 per foot.

Our gates are another issue. Since opening we have lost the same entry gate three times. Our FACE does include two gates at \$600. I have enclosed an actual third party cost for a 2002 gate replacement at \$475. An allocation of two (2) gates per year was originally included in our FACE. We also have a spare replacement gate on hand for ready replacement.

Similar to the fencing, our signs are 1998 originals. They are placed well out of reach of traffic and activity. However, we did include an allocation of five (5) signs per year at the rate of \$120 per sign and post.

Please call me if further information or data is required.

Sincerely,

Paul A. Wingler, P.E.
Project Manager

Enclosures:

- c: Gerald L. Bennett, Manager, Solid Waste Operations
- ESBC, General Manager, Finance and Administrative Services
- Michelle Snyder, Clerk of Court Finance



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: August 27, 2002 - Revised 10/24/02

Date of FDEP Approval: 5/16/04

I. GENERAL INFORMATION:

Facility Name: Central County Solid Waste Disposal Complex WACS or GMSID #: 4058C02034

Permit/Application Nos.: S058-299180 - Class I Landfill Expiration Date: July 30, 2002

134912-001-SO - Materials Recovery Facility Expiration Date: October 1, 2003

126775-001-WT - Waste Tire Facility Expiration Date: July 17, 2007

Facility Address: 4000 Knights Trail Road, Nokomis, FL 34275

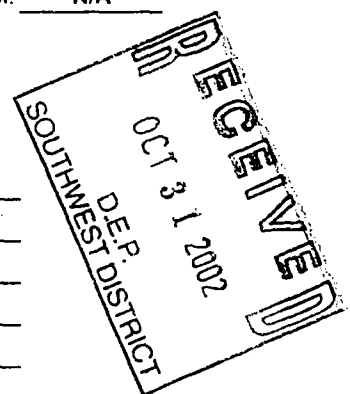
Permittee: Sarasota County Solid Waste Operations

Mailing Address: 4000 Knights Trail Road, Nokomis, Florida 34275

Latitude: 27° 12' 00" Longitude: 82° 23' 00" or UTM: N/A

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
Phase I	60	6/15/98	15
Phase II	235	N/A	40 Total
Phase III			
Phase IV			
Phase V			



Total Landfill Acreage included in this estimate. 295 Closure 295 Long-Term Care

Type of P.E. Number: 12350 X Class I _____ Class III _____ C&D Debris _____

II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check Type)

_____ Letter of Credit* _____ Insurance Certificate
 _____ Performance Bond* X 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	Sout 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
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III. ESTIMATE ADJUSTMENT

40 CPR 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: _____

Latest Department Approved Closure Cost Estimates:		X	Current Year Inflation Factor	=	Inflation Adjusted Closure Cost Estimate:
\$ _____	-		_____	-	\$ _____

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

Latest Department Approved Annual Long-Term Care Cost Estimate:		X	Current Year Inflation Factor	=	Inflation Adjusted Annual Long-Term Care Cost Estimate:
\$ _____	-		_____	-	\$ _____
			Number of Years of Long Term Care Remaining:	X	_____
			Inflation Adjusted Long-Term Care Cost Estimate:	=	\$ _____

(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 status of the Statutes 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.

Paul A. Wingler
Signature of Engineer

Paul A. Wingler, P.E., Project Manager
Name & Title (please type)

P.E. Number: 12350
Florida Registration Number (affix seal)

4000 Knights Trail Road, Nokomis, Florida 34275
Mailing Address

(941) 861-1570
Telephone Number

Gerald L. Bennett
Signature of Owner/Operator

Gerald L. Bennett, Manager, Solid Waste Operations
Name & Title (please type)

(941) 861-1570
Telephone Number

gbennett@co.sarasota.fl.us
Owner/Operator E-Mail Address

pwingler@co.sarasota.fl.us
Engineer E-Mail Address

V. RECALCULATES ESTIMATED CLOSING COST

For the time period in the landfill operation when the extent and manner of its operation makes closing most expensive.

**** Third Party Estimate/Quote must be provided for each item**
**** Cost must be for a third party providing all material and labor**

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
1. Proposed Monitoring Wells	(Do not include wells already in existence.)			
	EA	-	-	\$ -
2. Slope and Fill (bedding layer between waste and barrier layer):				
Excavation	CY	520,000	2.757	\$ 1,433,671.20
Placement and Spreading	CY	350,000	3.787	\$ 1,325,469.60
Compaction	SY	1,500,000	1.623	\$ 2,434,536.00
Off-Site Material	CY	-	-	\$ -
Delivery	CY	-	-	\$ -
			Subtotal Monitoring Wells:	\$ 5,193,676.80
3. Cover Material (Barrier Layer):				
Off-Site Clay	CY	-	-	\$ -
Synthetics - 40 mil	SY	1,500,000	2.601	\$ 3,901,500.00
Synthetics - GCL	SY	-	-	\$ -
Synthetics - Geonet	SY	500,000	3.277	\$ 1,638,630.00
Synthetics - Other	SY	-	-	\$ -
			Subtotal Barrier Layer Cover:	\$ 5,540,130.00
4. Top Soil Cover: (Above Barrier)				
On-Site Material	CY	-	1.353	\$ -
Delivery	CY	1,500,000.00	2.757	\$ 4,135,590.00
Spread	SY	1,500,000	3.787	\$ 5,680,584.00
			Subtotal Top Soil Cover:	\$ 9,816,174.00

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
5. Vegetative Layer				
Sodding	SY	1,500,000	1.301	\$ 1,950,750.00
Hydroseeding	AC	-	-	\$ -
Fertilizer	AC	-	-	\$ -
Mulch	AC	-	-	\$ -
Other	SY	-	-	\$ -
Subtotal Vegetative Layer:				\$ 1,950,750.00
6. Stormwater Control System:				
Earthwork	CY	160,000	2.164	\$ 346,245.12
Grading	SY	160,000	2.164	\$ 346,245.12
Piping	LF	6,000	62.424	\$ 374,544.00
Ditches	LF	-	-	\$ -
Berms	LF	160,000	2.164	\$ 346,245.12
Control Structures	EA	50	33,292.800	\$ 1,664,640.00
Other	LS	-	-	\$ -
Subtotal Stormwater Controls:				\$ 3,077,919.36
7. Gas Controls: Passive				
Wells	EA	-	-	\$ -
Pipe and Fittings	LF	-	-	\$ -
Monitoring Probes	EA	-	-	\$ -
NSPS/TITLE V requirements	LS	-	-	\$ -
Subtotal Passive Gas Control:				\$ -

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
8. Gas Control: Active Extraction				
Traps	EA	20.00	6,242.40	\$ 124,848.00
Sump	EA	-	-	\$ -
Flare Assembly	EA	2	208,080.00	\$ 416,160.00
Flame Arrestor	EA	-	-	\$ -
Mist Eliminator	EA	-	-	\$ -
Flow Meter	EA	-	-	\$ -
Blowers	EA	-	-	\$ -
Collection System	LF	8,000.00	130.05	\$ 1,040,400.00
Other (describe) Pipe	LF	33,000.00	21.85	\$ 720,997.20
Subtotal Active Gas Extraction:				\$ 2,302,405.20
9. Security System:				
Fencing	LF	n/a all are in place	-	\$ -
Gates(s)	EA	Per 1998 construction	-	\$ -
Signs(s)	EA	-	-	\$ -
Subtotal Security System:				\$ -
Sub - Total				\$ 27,881,055.36
10. Engineering:				
Closure Plan Report	LS	2%	-	\$ 557,621.11
Certified Engineer	LS	5%	-	\$ 1,394,052.77
NSPS/TITLE V requirements	LS	1	18,727.20	\$ 18,727.20
Final Survey		-	-	\$ -
Certification of Closure	LS	1%	-	\$ 296,153.43
P.E. Other(detail)	LS	-	-	\$ -
Subtotal Engineering:				\$ 2,266,554.51

DESCRIPTION	QUANTITY	UNIT COST	TOTAL
11. Professional Services*			
Contract Management	Quality Assurance		
	Hours	Hours	LS
			Total
P.E. Supervisor	800	500	\$ 125.89 \$ 62,944
On-Site Engineer	3,000	700	\$ 88.43 \$ 61,904
Office Engineer	1,500	200	\$ 62.42 \$ 12,485
On-Site Technician	2,000	2,000	\$ 60.34 \$ 120,686
Other (explain)			\$ -
Quality Assurance Testing		1	326,368
			\$ 326,368.38
			Subtotal Professional Services: \$ 1,153,343.58
			Subtotal of 1 - 11 Above: \$ 31,300,953.45
12. Contingency	5		\$ 1,565,047.67
			Closing Cost Subtotal: \$ 32,866,001.12
13. Site Specific Costs (explain)			
Mobilization, etc.			\$ 2,958,000.00
Waste Tire Facility			\$ 125,908.17
Materials Recovery Facility			\$ 592,707.56
Special Wastes			\$ 26,010.00
Leachate Management System Modification			\$ 62,424.00
Other			\$ -
			\$ -
			Subtotal Site Specific Costs: \$ 3,765,049.72

*Based on current engineering c **TOTAL CLOSING COSTS**

\$ 36,631,050.84

VI. ANNUAL COST FOR LONG-TERM CARE

(Check Term Length)

_____ 5 Years _____ 20 Years X 30 Years _____ Other

For the time period in the landfill operation when the extent and manner of its operation makes closing most expensive. See 62-701.600(1)a.1., 62-701.620(1), 62-701.630(3)a. and 62-701.730(11)b. F.A.C. for required term length. For Landfills certified closed and Department accepted, enter the remaining long-term care length as "Other" and provide years remaining.

** Third Party Estimate/Quote must be provided for each item

** Cost must be for a third party provid 100

All items must be addressed. Attach a detailed explanation for all items marked not applicable (N/A)

Description	Sampling Frequency (events/yr.)	Number of Wells	\$ / Well / Event	\$ / Year
1. Groundwater Monitoring (62-701.510(6), and (8)(a))				
Monthly	12	_____	_____ -	\$ _____ -
Quarterly	4	_____	_____ -	\$ _____ -
Semi-Annual	2	_____ 8	_____ 543.95	\$ _____ 8,703.24
Annual	1	_____ -	_____ -	\$ _____ -
Subtotal Groundwater Monitoring:				\$ _____ 8,703.24
2. Surface Water Monitoring (62-701.510(4), and (8)(b))				
Monthly	12	_____ -	_____ -	\$ _____ -
Quarterly	4	_____	_____ -	\$ _____ -
Semi-Annual	FDEP 2	_____ 7	_____ 780.02	\$ _____ 10,920.27
	NPDES 2	_____ 1	_____ 1,115.11	\$ _____ 2,230.22
Annual	1	_____	_____ -	\$ _____ -
Subtotal Surface Water Monitoring:				\$ _____ 13,150.49
3. Gas Monitoring				
Monthly	12	_____	_____ -	\$ _____ -
Quarterly	4	_____ 8	_____ 31.21	\$ _____ 998.78
Semi-Annual	2	_____	_____ -	\$ _____ -
Annual	1	_____	_____ -	\$ _____ -
Subtotal Gas Monitoring:				\$ _____ 998.78

Description	Sampling Frequency (events/yr.)	Number of Wells	\$ / Well / Event*	\$ / Year
4. Leachate Monitoring (62-701.510(5), (6)(b) and 62-701.510(8)(c)				
Monthly	12		-	\$ -
Quarterly	4		-	\$ -
Semi-Annual	2	5	1,098.66	\$ 10,986.62
Annual	1	1.00	551.41	\$ 551.41
Other		-	-	\$ -
Subtotal Leachate Monitoring:				\$ 11,538.04

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
5. Leachate Collection/Treatment Systems Maintenance				
Maintenance				
Collection Pipes	LF	30,000	0.61	\$ 18,421.20
Sumps, Traps	EA	-	-	\$ -
Lift Stations	EA	26	815.92	\$ 21,214.01
Cleaning	LS		-	\$ -
Tanks	EA	-	-	\$ -
Impoundments				
Liner Repair	SY	-	-	\$ -
Sludge Removal	CY	-	-	\$ -
Aeration Systems				
Floating Aerators	EA	-	-	\$ -
Spray Aerators	EA	-	-	\$ -
Disposal				
Off-Site 1000 gallon (include Transportation and Disposal)		25	23.055 Days X 365	\$ 210,377.42

6. Leachate Collection/Treatment Systems Operation

Operation		Hours	\$/Hour	Total
P.E. Supervisor	HR	-	-	\$ -
On-Site Engineer	HR	-	-	\$ -
Office Engineer	HR	-	-	\$ -
On-Site Technician	HR	-	-	\$ -
Materials	LS	-	-	\$ -
Subtotal Leachate Collection/Treatment System Maintenance & Operation:				\$ 250,012.63

7. Maintenance of Groundwater Monitoring Wells

Monitoring Wells	LF	-	-	\$ -
Replacement	EA	3.00	1,560.60	\$ 4,681.80
Abandonment	EA	-	-	\$ -
Subtotal Groundwater Monitoring Well Maintenance:				\$ 4,681.80

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
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8. Gas System Maintenance

		500	72.83	\$ 36,414.00
Piping, Vents	LF	2.00	6,762.60	\$ 13,525.20
Blowers	EA	-	-	\$ -
5 Phase Flaring Units	EA	0.025	1,248,480.00	\$ 31,212.00
Meters, Valves	EA	-	-	\$ -
Compressors	EA	-	-	\$ -
Flame Arrestors	EA	-	-	\$ -
Operation	LS	1.00	41,616.00	\$ 41,616.00
Subtotal Gas System:				\$ 122,767.20

9. Landscape

Mowing	AC	3,000.00	26.10	\$ 78,310.91
Fertilizer	AC	-	-	\$ -
Subtotal Landscape Maintenance:				\$ 78,310.91

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
10. Erosion Control & Cover Maintenance				
		<u>Hours</u>	<u>\$/Hour</u>	<u>Total</u>
Sodding	SY	2,000	1.301	\$ 2,601.00
Regrading	AC	0.50	1,040.400	\$ 520.20
Liner Repair	SY	100	10.612	\$ 1,061.21
Clay	CY	-	-	\$ -
Subtotal Erosion Control and Cover Maintenance:				<u>\$ 4,182.41</u>
11. Storm Water management System Maintenance				
Conveyance Maintenance	LF	20,000	0.166	\$ 3,329.28
Subtotal Storm Water System Maintenance:				<u>\$ 3,329.28</u>
12. Security System Maintenance				
Fences	LF	100	12.000	\$ 1,200.00
Gate(s)	EA	2	600.000	\$ 1,200.00
Sign(s)	EA	5	120.000	\$ 600.00
Subtotal Security System:				<u>\$ 3,000.00</u>
13. Utilities	LS	12.00	\$ 1,700.00	<u>\$ 20,400.00</u>
Administrative				
		<u>Hours</u>	<u>\$/Hour</u>	<u>Total</u>
P.E. Supervisor	HR	130	125.89	\$ 16,365.49
On-Site Engineer	HR	260	88.43	\$ 22,992.84
Office Engineer	HR	55	62.42	\$ 3,433.32
On-Site Technician	HR	165	60.34	\$ 9,956.63
Other (explain)		-	-	\$ -
Subtotal Administrative:				<u>\$ 52,748.28</u>
				SUBTOTAL:
				<u>\$ 573,823.05</u>
12. Contingency	5 % of Total			\$ 28,691.15
Closing Cost Subtotal:				<u>\$ 602,514.20</u>

16. Site Specific Costs (explain

	<u>UNIT COST</u>	
_____	LS	\$ _____
_____	LS	\$ _____
_____	LS	\$ _____

ANNUAL LONG-TERM CARE COST (\$/Year):	\$ <u>602,514.20</u>
NUMBER OF YEARS OF LONG-TERM CARE	<u>30</u>
TOTAL LONG-TERM CARE COST (\$)	\$ <u>18,075,426.07</u>