



Florida Department of Environmental Protection

Southwest District Office
13051 North Telecom Parkway
Temple Terrace, Florida 33637-0926

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

Mr. Barry M. Boldissar, Director
Hillsborough County Solid Waste Management Department
P.O. Box 1110
Tampa, Fl. 33601

June 6, 2008

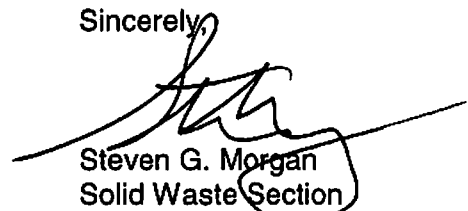
RE: Hillsborough County Southeast Landfill, Financial Assurance Cost Estimates
Pending Permit No.: 35435-0014-SO/01, Class I
Permit No.: 126787-002-WT/02, WTPF

Dear Mr. Boldissar:

This letter is to acknowledge receipt of the revised cost estimates dated January 16, 2007 (received January 17, 2007) and additional information dated and received May 16, 2007, prepared by Jones Edmunds for closure and long-term care of the Hillsborough County Southeast Landfill (Phases I-VI) and closure of the associated waste tire processing facilities. The revised cost estimates received January 17, 2007 and May 16, 2007 (total for closing \$19,877,424.00 and long-term care \$914,744.00/year x 30 years= \$27,442,306.00), are **APPROVED for 2008**. Please note that these estimates are acceptable for Phases I-VI (162.5 acres) and for a maximum of 3600 tons of waste tires at the waste tire processing facility. The next annual update (revised or inflation-adjusted estimates) is due no later than **September 1, 2008**.

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) 632-7600 ext. 385.

Sincerely,



Steven G. Morgan
Solid Waste Section
Southwest District

sgm

cc: Joseph H. O'Neill, P.E., Jones Edmunds, 324 S. Hyde Park Avenue, Suite 250, Tampa, Florida 33606
Fred Wick, FDEP, Tallahassee, w/attachment
Susan Pelz, P.E., FDEP Tampa



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: January 16 2007 Date of DEP Approval: _____

I. GENERAL INFORMATION:

Facility Name: Hillsborough SCLF Class I - Sections 7/8 WACS or GMSID #: SWD/29/41193
Permit / Application No.: 35435-007-SO Expiration Date: 06/20/2007
Facility Address: 8.8 miles east of U.S. Highway 301 on County Road 672
Permittee: Hillsborough County Solid Waste Management Department
Mailing Address: P.O. Box 1110, Tampa, Florida 33601

Latitude: 27'46'39 Longitude: 82'10'34"W 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
Section 7	12.5	1/5/04	1.5 years
Section 8	6.8	1/12/06	0.4 years
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Total Landfill Acreage included in this estimate. 19.3 Closure 19.3 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
_____ Surety Bond* _____ Escrow Account
_____ Trust Fund Agreement Financial Test

*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)-245-8732.

This adjustment is based on the Department approved closure cost estimate dated: _____

Latest Department Approved Closure Cost Estimate:	X	Current Year Inflation Factor	=	Inflation Adjusted Closure Cost Estimate:
_____		_____		\$0.00

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:
_____		_____		\$0.00

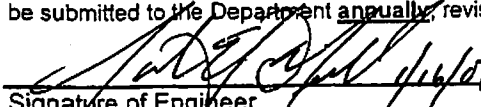
Number of Years of Long Term Care Remaining: X _____

Inflation Adjusted Long-Term Care Cost Estimate: = 0.00

(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.



 Signature of Engineer
 Joseph H. O'Neill, P.E.
 Solid Waste Department Manager

Name & Title (please type)

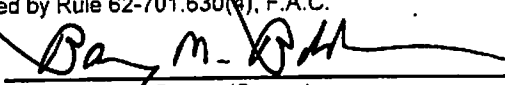
52049

Florida Registration Number (affix seal) & Date
 324 South Hyde Park Avenue, Suite 250
 Tampa, Florida 33606

Mailing Address

(813) 285-0703

Telephone Number



 Signature of Owner/Operator

Barry M. Boldissar, Director

 Name & Title (please type)

(813) 272-5680

Telephone Number

V. RECALCULATE 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**
- ** Costs 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	<u>Not Applicable.</u>		
2. Slope and Fill (bedding layer between waste and barrier layer):				
Excavation	CY	<u>Included in offsite material costs.</u>		
Placement and Spreading	CY	<u>9,741</u>	<u>\$ 2.50</u>	<u>\$24,351</u>
Compaction	CY	<u>Included in offsite material costs.</u>		
Off-Site Material	CY	<u>9,741</u>	<u>\$ 4.55</u>	<u>\$44,295</u>
Delivery	CY	<u>9,741</u>	<u>\$ 2.60</u>	<u>\$25,325</u>
		Subtotal Slope and Fill:		<u>\$93,971</u>
3. Cover Material (Barrier Layer):				
Off-Site Clay	CY	<u>Not applicable.</u>		
Synthetics - 40 mil	SY	<u>103,402</u>	<u>\$ 3.51</u>	<u>\$362,941</u>
Synthetics - GCL	SY	<u>Not Applicable.</u>		
Synthetics - Geonet	SY	<u>83,175</u>	<u>\$ 3.51</u>	<u>\$291,944</u>
Synthetics - Other	SY	<u>Not Applicable.</u>		
		Subtotal Barrier Layer Cover:		<u>\$654,885</u>
4. Top Soil Cover:				
Off-Site Material (24" cover)	CY	<u>68,184</u>	<u>\$ 4.55</u>	<u>\$310,067</u>
Delivery	CY	<u>68,184</u>	<u>\$ 2.60</u>	<u>\$177,278</u>
Spread	CY	<u>77,924</u>	<u>\$ 2.50</u>	<u>\$194,810</u>
		Subtotal Top Soil Cover:		<u>\$682,155</u>

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
5. Vegetative Layer				
Sodding	SY	<u>94,400</u>	<u>\$ 1.60</u>	<u>\$151,040</u>
Hydroseeding*	AG SY	<u>22,576</u>	<u>\$ 0.41</u>	<u>\$9,256</u>
Fertilizer	AC	<u>N/A</u>	<u></u>	<u></u>
Mulch	AC	<u>N/A</u>	<u></u>	<u></u>
Other	SY	<u>N/A</u>	<u></u>	<u></u>
Subtotal Vegetative Layer:				<u>\$160,296</u>
* Hydroseeding Includes Mulch and Fertilizer				
6. Stormwater Control System:				
Earthwork	CY	<u></u>	<u></u>	<u></u>
Grading	SY	<u></u>	<u></u>	<u></u>
Piping	LF	<u></u>	<u></u>	<u></u>
Ditches	LF	<u></u>	<u></u>	<u></u>
Berms	LF	<u>5,198</u>	<u>\$ 17.87</u>	<u>\$92,891</u>
Control Structures*	EA LF	<u>1,086</u>	<u>\$ 203.06</u>	<u>\$220,523</u>
Other**	LS	<u>1</u>	<u>\$ 69,043</u>	<u>\$69,043</u>
Subtotal Stormwater Controls:				<u>\$382,457</u>
* Downchute Construction				
** Drainage Toe Construction				
7. Gas Controls: Passive				
Wells	EA	<u>21</u>	<u>\$ 4,128.57</u>	<u>\$86,700</u>
Pipe and Fittings	LF	<u></u>	<u></u>	<u></u>
Monitoring Probes	EA	<u></u>	<u></u>	<u></u>
NSPS/Title V requirements	LS	<u>Will be existing.</u>	<u></u>	<u></u>
Subtotal Passive Gas Control:				<u>\$86,700</u>

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
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8. Gas Control: Active Extraction N/A Active Gas Collection is not proposed at this time.

Traps	EA	N/A		
Sump	EA	N/A		
Flare Assembly	EA	N/A		
Flame Arrestor	EA	N/A		
Mist Eliminator	EA	N/A		
Flow Meter	EA	N/A		
Blowers	EA	N/A		
Collection System (Piping)	LF	N/A		
Other (vent signs)	EA	N/A		
Subtotal Active Gas Extraction:				\$0

9. Security System N/A Security fencing, gates and signs are existing.

Fencing	LF	N/A		
Gate(s)	EA	N/A		
Sign(s)	EA	N/A		
Subtotal Security System:				N/A

10. Engineering

Closure Plan Report	LS	Included in Certified Engineer.		
Certified Engineer	LS	1	\$ 123,628	\$123,628
NSPS/Title V Air Permit	LS			
Final Survey	LS	Included in Phases I-VI estimate.		
Certification of Closure	LS	Included in Certified Engineer.		
Other (Permit Fee)	LS	1	\$ 7,500.00	\$7,500
Subtotal Engineering:				\$131,128

11. Professional Services

All Professional Services costs are estimated by Jones Edmunds.
Assuming 6 month closure construction time.

	Contract Management		Quality Assurance		Total
	Hours	LS	Hours	LS	
P.E. Supervisor	480	\$60,960	480	\$60,960	\$121,920
On-Site Engineer			240	\$ 22,800	\$22,800
Office Engineer	480	\$45,600	240	\$ 22,800	\$68,400
On-Site Technician			1,152	\$ 109,440	\$109,440
Other (admin. asst.)	960	\$54,720			\$54,720

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
Quality Assurance Testing	LS	1	\$ 50,000	\$50,000

Subtotal Professional Services: \$427,280

Subtotal of 1-11 Above: \$2,618,873

12. Contingency 5% of Total \$130,944

Closing Cost Subtotal: \$2,749,817

13. Site Specific Costs (explain)

<u>Mobilization (10% of construction costs)</u>	<u>\$206,047</u>
<u>Bonds and Insurance (2% of construction costs)</u>	<u>\$41,209</u>
<u>Contingency for site specific costs (5%)</u>	<u>\$12,363</u>
<u> </u>	<u> </u>
<u> </u>	<u> </u>

Subtotal Site Specific Costs: \$259,619

TOTAL CLOSING COSTS: \$3,009,435

VI. ANNUAL COST FOR LONG-TERM CARE

(Check Term Length)

 5 Years 20 Years X 30 Years Other

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
 ** Costs must be for a third party providing all material and labor**

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	<u> </u>	<u> </u>	<u> </u>
Quarterly	4	<u> 8 </u>	<u> \$ 924.00 </u>	<u> \$29,568.00 </u>
Semi-Annual	2	<u> </u>	<u> </u>	<u> </u>
Annual	1	<u> </u>	<u> </u>	<u> </u>
Subtotal Groundwater Monitoring:				<u> \$29,568 </u>
2. Surface Water Monitoring (62-701.510(4), and (8)(b))				
Monthly	12	<u> </u>	<u> </u>	<u> </u>
Quarterly	4	<u> </u>	<u> </u>	<u> </u>
Semi-Annual	2	<u> 4 </u>	<u> \$ 720.00 </u>	<u> \$5,760 </u>
Annual	1	<u> </u>	<u> </u>	<u> </u>
Subtotal Surface Water Monitoring:				<u> \$5,760 </u>
3. Gas Monitoring				
Monthly	12	<u> </u>	<u> </u>	<u> </u>
Quarterly	4	<u> 20 </u>	<u> \$ 33.05 </u>	<u> \$2,644 </u>
Semi-Annual	2	<u> </u>	<u> </u>	<u> </u>
Annual	1	<u> </u>	<u> </u>	<u> </u>
Subtotal Gas Monitoring:				<u> \$2,644 </u>

Description	Sampling Frequency (events/yr.)	Number of Locations	\$/Location/Event	\$/Year
4. Leachate Monitoring (62-701.510(5), (6)(b) and 62-701.510(8)(c))				
Monthly	12	_____	_____	_____
Quarterly	4	_____	_____	_____
Semi-Annual	2	_____	_____	_____
Annual	1	1	\$ 2,807.00	\$2,807
Other	_____	_____	_____	_____
Subtotal Leachate Monitoring:				<u>\$2,807</u>

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
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5. Leachate Collection/Treatment Systems Maintenance

Maintenance

Collection Pipes	LF	6,287	\$ 0.15	\$943
Sumps, Traps	EA	_____	_____	_____
Lift Stations	EA	_____	_____	_____
Cleaning	LF	_____	_____	_____
Tanks	EA	_____	_____	_____

Impoundments

Liner Repair	SY	_____	_____	_____
Sludge Removal	CY	_____	_____	_____

Aeration Systems

Floating Aerators	EA	_____	_____	_____
Spray Aerators	EA	_____	_____	_____

Disposal

Off-site (Include Transportation and Disposal)	1000 gallon	Included in Phases I-VI estimate.		_____
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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:				\$943

7. Maintenance of Groundwater Monitoring Wells

Monitoring Wells	LF EA	1	\$ 2,000.00	\$2,000
Replacement	EA			
Abandonment	EA			
Subtotal Groundwater Monitoring Well Maintenance:				\$2,000

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
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8. Gas System Maintenance

Piping, Vents	LF EA	21	\$ 150.00	\$3,150.00
Blowers	EA			
Flaring Units	EA			
Meters, Valves	EA			
Compressors	EA			
Flame Arrestors	EA			
Operation	LS			
Subtotal Gas System:				\$3,150

9. Landscape

Mowing	AC	8 times per year	20	\$ 25.00	\$4,000
Fertilizer	AC				
Subtotal Landscape Maintenance:				\$4,000	

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
10. Erosion Control & Cover Maintenance				
Sodding	SY	<u>3,195</u>	<u>\$ 1.60</u>	<u>\$5,112</u>
Regrading	AC	<u>1.0</u>	<u>\$ 2,993.15</u>	<u>\$2,888</u>
Liner Repair	SY	<u>N/A</u>	<u></u>	<u></u>
Clay	CY	<u>N/A</u>	<u></u>	<u></u>
Subtotal Erosion Control and Cover Maintenance:				<u>\$8,000</u>
11. Storm Water Management System Maintenance				
Conveyance Maintenance	CY	<u>374</u>	<u>\$ 1.92</u>	<u>\$718</u>
Subtotal Storm Water System Maintenance:				<u>\$718</u>
12. Security System Maintenance				
Fences	LF	<u>100</u>	<u>\$ 38.41</u>	<u>\$3,841</u>
Gate(s)	EA	<u></u>	<u></u>	<u>\$0.00</u>
Sign(s)	EA	<u></u>	<u></u>	<u>\$0.00</u>
Subtotal Security System:				<u>\$3,841</u>
13. Utilities				
				<u>\$2,500</u>
14. Administrative				
		Hours	\$/Hour	Total
All administrative costs estimated by Jones Edmunds.				
P.E. Supervisor	HR	<u>25</u>	<u>\$ 127.00</u>	<u>\$3,175</u>
On-Site Engineer	HR	<u>144</u>	<u>\$ 95.00</u>	<u>\$13,680</u>
Office Engineer	HR	<u>78</u>	<u>\$ 95.00</u>	<u>\$7,410</u>
OnSite Technician	HR	<u>N/A</u>	<u></u>	<u></u>
Other (explain)		<u>Included in Phases I-VI estimate.</u>		
Subtotal Administrative:				<u>\$24,265</u>
15. Contingency				
	% of Total	<u></u>	<u></u>	<u>0%</u>
Subtotal Contingency:				<u></u>

16. Site Specific Costs (explain)

UNIT COST

<u>Basin Operation and Disposal</u>	LS	<u>\$20,000</u>
<u>Gas Monitoring System Maintenance</u>	LS	<u>\$1,000</u>
<u>Benchmark Maintenance</u>	LS	<u>\$500</u>
ANNUAL LONG-TERM CARE COST (\$/Year):		<u>\$111,697</u>
NUMBER OF YEARS LONG-TERM CARE		<u>30</u>
TOTAL LONG-TERM CARE COST (\$)		<u>\$3,350,896</u>



Florida Department of Environmental Protection

Southwest District Office
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Temple Terrace, Florida 33637-0926

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Mr. Barry M. Boldissar, Director
Hillsborough County Solid Waste Management Department
P.O. Box 1110
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June 6, 2008

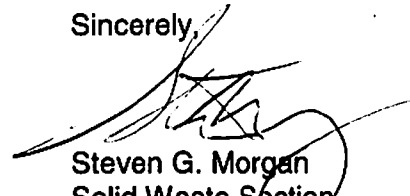
RE: Southeast County Landfill Section 7 and 8 Expansion, Hillsborough County
Financial Assurance Cost Estimates
Pending Permit No.: 35435-014-SO/01, Section 7 & 8 Expansion

Dear Mr. Boldissar:

This letter is to acknowledge receipt of the revised cost estimates dated January 16, 2007 (received January 17, 2007) and additional information dated and received May 16, 2007, prepared by Jones Edmunds for closure and long-term care of the Hillsborough County Southeast County Landfill Section 7 and 8 Expansion. The cost estimates received January 17, 2007 and May 16, 2007 (total for closing \$3,009,435.00 and long-term care \$111,697.00/year x 30 years= \$3,350,896.00), are **APPROVED for 2008**. Please note that these estimates are acceptable for the 19.3 acres Section 7 and 8 expansion only. The next annual update (revised or inflation-adjusted estimates) is due no later than September 1, 2008.

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) 632-7600 ext. 385.

Sincerely,



Steven G. Morgan
Solid Waste Section
Southwest District

sgm
cc:

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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: January 16 2007 Date of DEP Approval: _____

I. GENERAL INFORMATION:

Facility Name: Hillsborough SCLF Class I - Phases I-VI WACS or GMSID #: SWD/29/41193
Permit / Application No.: 35435-006-SO Expiration Date: 06/20/2007
Facility Address: 8.8 miles east of U.S. Highway 301 on County Road 672
Permittee: Hillsborough County Solid Waste Management Department
Mailing Address: P.O. Box 1110, Tampa, Florida 33601

Latitude: 27'46'26 Longitude: 82'11'01"W 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
Phases I-VI	162.4	1984	35 years
Waste Tire	19.62	N/A	N/A

Total Landfill Acreage included in this estimate. 162.4 Closure 162.4 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
_____ Surety Bond* _____ Escrow Account
_____ Trust Fund Agreement Financial Test

*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

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This adjustment is based on the Department approved closure cost estimate dated: _____

Latest Department Approved Closure Cost Estimate:	X	Current Year Inflation Factor	=	Inflation Adjusted Closure Cost Estimate:
_____		_____		\$0.00

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:
_____		_____		\$0.00

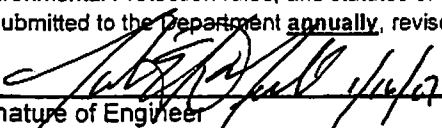
Number of Years of Long Term Care Remaining: X _____

Inflation Adjusted Long-Term Care Cost Estimate: = 0.00

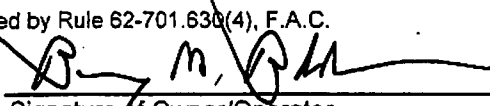
(b) Recalculate Estimates (see section V)

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.



 Signature of Engineer
 Joseph H. O'Neill, P.E.
 Solid Waste Department Manager
 Name & Title (please type)



 Signature of Owner/Operator
 Barry M. Boldissar, Director
 Name & Title (please type)

52049

 Florida Registration Number (affix seal) & Date
 324 South Hyde Park Avenue, Suite 250
 Tampa, Florida 33606

(813) 272-5680

 Telephone Number

Mailing Address

 (813) 285-0703

 Telephone Number

V. RECALCULATE 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**
**** Costs 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		Not Applicable.	
2. Slope and Fill (bedding layer between waste and barrier layer):				
Excavation	CY	Included in offsite material costs.		
Placement and Spreading	CY	79,780	\$ 2.50	\$199,449
Compaction	CY	Included in placement and spreading.		
Off-Site Material	CY	79,780	\$ 4.55	\$362,797
Delivery	CY	79,780	\$ 2.60	\$207,427
		Subtotal Slope and Fill:		\$769,673

3. Cover Material (Barrier Layer):

Off-Site Clay	CY	Not applicable.		
Synthetics - 40 mil	SY	837,141	\$ 3.51	\$2,938,365
Synthetics - GCL	SY	Not applicable.		
Synthetics - Geonet	SY	435,382	\$ 3.51	\$1,528,191
Synthetics - Other	SY	Not applicable.		
		Subtotal Barrier Layer Cover:		\$4,466,556

4. Top Soil Cover:

Off-Site Material (24" cover)	CY	558,456	\$ 4.55	\$2,539,579
Delivery	CY	558,456	\$ 2.60	\$1,451,986
Spread	CY	638,235	\$ 2.50	\$1,595,588
		Subtotal Top Soil Cover:		\$5,587,152

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
5. Vegetative Layer				
Sodding	SY	<u>546,400</u>	<u>\$ 1.60</u>	<u>\$874,240</u>
Hydroseeding*	AG SY	<u>411,003</u>	<u>\$ 0.41</u>	<u>\$168,511</u>
Fertilizer	AC	<u>N/A</u>	<u></u>	<u></u>
Mulch	AC	<u>N/A</u>	<u></u>	<u></u>
Other	SY	<u>N/A</u>	<u></u>	<u></u>
Subtotal Vegetative Layer:				<u>\$1,042,751</u>

* Hydroseeding Includes Mulch and Fertilizer

6. Stormwater Control System:

Earthwork	CY	<u></u>	<u></u>	<u></u>
Grading	SY	<u></u>	<u></u>	<u></u>
Piping	LF	<u></u>	<u></u>	<u></u>
Ditches	LF	<u></u>	<u></u>	<u></u>
Berms	LF	<u>34,744</u>	<u>\$ 17.87</u>	<u>\$620,881</u>
Control Structures*	EA LF	<u>3,113</u>	<u>\$ 200.60</u>	<u>\$624,368</u>
Other**	LS	<u>1</u>	<u>\$ 339,647</u>	<u>\$339,647</u>
Subtotal Stormwater Controls:				<u>\$1,584,896</u>

* Downchute Construction

** Drainage Toe Construction

7. Gas Controls: Passive

Wells	EA	<u>146</u>	<u>\$ 6,215.89</u>	<u>\$907,520</u>
Pipe and Fittings	LF	<u></u>	<u></u>	<u></u>
Monitoring Probes	EA	<u></u>	<u></u>	<u></u>
NSPS/Title V requirements	LS	<u></u>	<u></u>	<u></u>
Subtotal Passive Gas Control:				<u>\$907,520</u>

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
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8. Gas Control: Active Extraction N/A Active Gas Collection is not proposed at this time.

Traps	EA	N/A		
Sump	EA	N/A		
Flare Assembly	EA	N/A		
Flame Arrestor	EA	N/A		
Mist Eliminator	EA	N/A		
Flow Meter	EA	N/A		
Blowers	EA	N/A		
Collection System (Piping)	LF	N/A		
Other (vent signs)	EA	N/A		
Subtotal Active Gas Extraction:				\$0

9. Security System N/A Security fencing, gates and signs are existing.

Fencing	LF	N/A		
Gate(s)	EA	N/A		
Sign(s)	EA	N/A		
Subtotal Security System:				N/A

10. Engineering

Closure Plan Report	LS	Included in Certified Engineer.		\$0
Certified Engineer	LS	1	\$ 861,513	\$861,513
NSPS/Title V Air Permit	LS			\$0
Final Survey	LS	1	\$ 10,000	\$10,000
Certification of Closure	LS	Included in Certified Engineer.		\$0
Other (Permit Fee)	LS	1	\$ 7,500.00	\$7,500
Subtotal Engineering:				\$879,013

11. Professional Services All Professional Services costs are estimated by Jones Edmunds.
Assuming 18 month closure construction time.

	Contract Management		Quality Assurance		Total
	Hours	LS	Hours	LS	
P.E. Supervisor	1,440	\$182,880	1,440	\$ 182,880	\$365,760
On-Site Engineer			720	\$ 68,400	\$68,400
Office Engineer	1,440	\$136,800	720	\$ 68,400	\$205,200
On-Site Technician			6,912	\$ 656,640	\$656,640
Other (admin. asst.)	2,880	\$164,160			\$164,160

DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL
Quality Assurance Testing	LS	1	\$ 250,000	\$250,000

Subtotal Professional Services: \$1,710,160

Subtotal of 1-11 Above: \$16,947,720

12. Contingency 5% of Total \$847,386

Closing Cost Subtotal: \$17,795,106

13. Site Specific Costs (explain)

<u>Mobilization (10% of construction costs)</u>	<u>\$1,435,855</u>
<u>Bonds and Insurance (2% of construction costs)</u>	<u>\$287,171</u>
<u>Waste Tire Facility Closure</u>	<u>\$260,135</u>
<u>Contingency for site specific costs (5%)</u>	<u>\$99,158</u>

Subtotal Site Specific Costs: \$2,082,319

TOTAL CLOSING COSTS: \$19,877,424

VI. ANNUAL COST FOR LONG-TERM CARE

(Check Term Length)

____ 5 Years ____ 20 Years X 30 Years ____ Other

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
- ** Costs must be for a third party providing all material and labor

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	<u> 7 </u>	<u> \$ 924.00 </u>	<u> \$25,872.00 </u>
Semi-Annual	2	<u> 2 </u>	<u> \$ 924.00 </u>	<u> \$3,696.00 </u>
Annual	1	_____	_____	_____
		Subtotal Groundwater Monitoring:		<u> \$29,568 </u>
2. Surface Water Monitoring (62-701.510(4), and (8)(b))				
Monthly	12	_____	_____	_____
Quarterly	4	_____	_____	_____
Semi-Annual	2	<u> Included in Sections 7 and 8 Estimate. </u>		_____
Annual	1	_____	_____	_____
		Subtotal Surface Water Monitoring:		<u> \$0 </u>
3. Gas Monitoring				
Monthly	12	_____	_____	_____
Quarterly	4	<u> Included in Sections 7 and 8 Estimate. </u>		_____
Semi-Annual	2	_____	_____	_____
Annual	1	_____	_____	_____
		Subtotal Gas Monitoring:		<u> \$0 </u>

Description	Sampling Frequency (events/yr.)	Number of Locations	\$/Location/Event	\$/Year
4. Leachate Monitoring (62-701.510(5), (6)(b) and 62-701.510(8)(c)				
Monthly	12	_____	_____	_____
Quarterly	4	_____	_____	_____
Semi-Annual	2 (1)	_____	_____	_____
Annual	1	<u>Included in Sections 7 and 8 Estimate.</u>		_____
Other	_____	_____	_____	_____
Subtotal Leachate Monitoring:				<u>\$0</u>

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
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5. Leachate Collection/Treatment Systems Maintenance

Maintenance

Collection Pipes	LF	<u>10,291</u>	<u>\$ 0.15</u>	<u>\$1,544</u>
Sumps, Traps	EA	_____	_____	_____
Lift Stations	EA	_____	_____	_____
Cleaning	LF	_____	_____	<u>\$0</u>
Tanks	EA Every 3 years	<u>2</u>	<u>\$ 19,500.00</u>	<u>\$13,000.00</u>

Impoundments

Liner Repair	SY	_____	_____	_____
Sludge Removal	CY	_____	_____	_____

Aeration Systems

Floating Aerators	EA	_____	_____	_____
Spray Aerators	EA	_____	_____	_____

Disposal

Off-site (Includes Transportation and Disposal)	1000 gallon	<u>15,439</u>	<u>\$ 33.00</u>	<u>\$509,487.00</u>
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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:				\$524,031

7. Maintenance of Groundwater Monitoring Wells

Monitoring Wells	LF	1	\$ 2,000.00	\$2,000
Replacement	EA			
Abandonment	EA			
Subtotal Groundwater Monitoring Well Maintenance:				\$2,000

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
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8. Gas System Maintenance

Piping, Vents	LF EA	30	\$ 150.00	\$4,500.00
Blowers	EA			
Flaring Units	EA			
Meters, Valves	EA			
Compressors	EA			
Flame Arrestors	EA			
Operation	LS			
Subtotal Gas System:				\$4,500

9. Landscape

Mowing	AC	8 times per year	164	\$ 25.00	\$32,760
Fertilizer	AC				
Subtotal Landscape Maintenance:					\$32,760

DESCRIPTION	UNIT	QUANTITY	UNIT COST	ANNUAL COST
10. Erosion Control & Cover Maintenance				
Sodding	SY	<u>26,427</u>	<u>\$ 1.60</u>	<u>\$42,283</u>
Regrading	AC	<u>8.1</u>	<u>\$ 2,993.15</u>	<u>\$24,304</u>
Liner Repair	SY	<u>N/A</u>	<u></u>	<u></u>
Clay	CY	<u>N/A</u>	<u></u>	<u></u>
Subtotal Erosion Control and Cover Maintenance:				<u>\$66,588</u>
11. Storm Water Management System Maintenance				
Conveyance Maintenance	CY	<u>1,274</u>	<u>\$ 1.92</u>	<u>\$2,445</u>
Subtotal Storm Water System Maintenance:				<u>\$2,445</u>
12. Security System Maintenance				
Fences	LF	<u>Included in Sections 7 and 8 Estimate.</u>		<u></u>
Gate(s)	EA	<u></u>	<u></u>	<u></u>
Sign(s)	EA	<u></u>	<u></u>	<u></u>
Subtotal Security System:				<u>\$0</u>
13. Utilities				
	LS	<u>1</u>	<u>\$ 30,000.00</u>	<u>\$30,000.00</u>
All administrative costs estimated by Jones Edmunds.				
14. Administrative				
		<u>Hours</u>	<u>\$/Hour</u>	<u>Total</u>
P.E. Supervisor	HR	<u>16</u>	<u>\$ 127.00</u>	<u>\$2,032</u>
On-Site Engineer	HR	<u></u>	<u></u>	<u>\$0</u>
Office Engineer	HR	<u></u>	<u></u>	<u>\$0</u>
OnSite Technician	HR	<u>96</u>	<u>\$ 95.00</u>	<u>\$9,120</u>
Other (2 equipment operators and 2 laborers)		<u>8,320</u>	<u>\$ 22.50</u>	<u>\$187,200</u>
Subtotal Administrative:				<u>\$198,352</u>
15. Contingency				
	% of Total	<u></u>	<u></u>	<u>0%</u>
Subtotal Contingency:				<u>\$0</u>

16. Site Specific Costs (explain)

UNIT COST

<u>Impoundment Basin Operation and Disposal</u>	LS	<u>\$20,000</u>
<u>Gas Monitoring Well Maintenance</u>	LS	<u>\$4,000</u>
<u>Benchmark Maintenance</u>	LS	<u>\$500</u>
ANNUAL LONG-TERM CARE COST (\$/Year):		<u>\$914,744</u>
NUMBER OF YEARS LONG-TERM CARE		<u>30</u>
TOTAL LONG-TERM CARE COST (\$)		<u>\$27,442,306</u>