



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Rick Scott
Governor

Carlos Lopez-Cantera
Lt. Governor

Noah Valenstein
Secretary

April 9, 2018

Transmitted via E-Mail only to: kirk.wills@wasteconnections.com

Kirk Wills, South Region Engineer
Omni Waste of Osceola County, LLC
1501 Omni Way
St. Cloud, FL 34773

RE: J.E.D. Solid Waste Management Facility Detailed Closure Cost Estimate Approval
Permit No. 0199726-033-SO-01, Osceola County
WACS No: 89544

Dear Mr. Wills,

This letter is to acknowledge receipt of the subject facility's updated detailed closure cost estimates dated May 2, 2017 and received May 3, 2017 as Appendix E of the Operation Permit Renewal Application. This cost estimate was prepared by Geosyntec Consultants, for the J.E.D. Solid Waste Management Facility. This cost estimate provides for closure of the 109.7 acres of the Class I Landfill and long-term care for 153.5 acres. The recalculated estimate(s) were submitted to comply with Rule 62-701.630(4)(b), Florida Administrative Code, (F.A.C.). The following cost estimates received on May 3, 2017 are **APPROVED for 2017:**

Closing – \$13,002,046.87
Annual Long-term care – \$208,290.32
Total Long-term care – \$6,248,709.72 for 30 years

A copy of these estimates will be forwarded to the Financial Coordinator, FDEP, 2600 Blair Stone Road, MS 4565, Tallahassee, Florida 32399-2400. Please work with Susan Eldredge at (850) 245-8740 or susan.f.eldredge@dep.state.fl.us 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 (850) 245-8744.

Mr. Wills
April 9, 2018
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Most information received or sent by the Department is public record and is placed in OCULUS, an electronic database. You can view this and other documents for this facility at the following link:

http://appprod.dep.state.fl.us/WWW_WACS/Reports/SW_Facility_Docs.asp?wacsid=89544

Sincerely,

A handwritten signature in blue ink that reads "El Kromhout". The signature is written in a cursive, flowing style.

El Kromhout, P.G.
Solid Waste Section
Permitting and Compliance Assistance Program

Enclosure: J.E.D. Solid Waste Management Facility DEP Form 62-701.900(28), F.A.C. Closure
Cost Estimating Form for Solid Waste Facilities

cc:

Alex Rivera, P.E., Geosyntec Consultants, arivera@geosyntec.com

Cory Dilmore, P.E., DEP PCAP, cory.dilmore@floridadep.gov

Solid.Waste.Financial.Coordinator@dep.state.fl.us

Oculus File



Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

DEP Form # 62-701.900(28), F.A.C.

Form Title: Closure Cost Estimating Form
For Solid Waste Facilities

Effective Date: January 6, 2010

Incorporated in Rule 62-701.630(3), F.A.C.

CLOSURE COST ESTIMATING FORM FOR SOLID WASTE FACILITIES

Date of DEP Approval: _____

I. GENERAL INFORMATION:

Facility Name: J.E.D. Solid Waste Management Facility WACS ID: 89544
 Permit Application or Consent Order No.: SO49-019972-022 Expiration Date: 07/03/2017
 Facility Address: 1501 Omni Way, St. Cloud, Florida 34773
 Permittee or Owner/Operator: Omni Waste of Osceola County, LLC
 Mailing Address: 1501 Omni Way, St. Cloud, Florida 34773

Latitude: 28 ° 3' 32 " Longitude: 81 ° 5' 46 "
 Coordinate Method: DGPS Datum: WGS84
 Collected by: Johnston's Surveying Company/Affiliation: Johnston's Surveying

Solid Waste Disposal Units Included in Estimate:

Phase / Cell	Acres	Date Unit Began Accepting Waste	Active Life of Unit From Date of Initial Receipt of Waste	If active: Remaining life of unit	If closed: Date last waste received	If closed: Official date of closing
Cell 13	17.6	Oct 2016				
Cells 5-11	84.1	Mar 2009				
Cells 3-4 (active)	8.0	Jan 2004				
Cells 1-4 (part. clos. event 2)	19.4	Jan 2004				10/2012
Cells 1-4 (part. clos.)	24.4	Jan 2004				02/2009

Total disposal unit acreage included in this estimate: Closure: 109.7 Long-Term Care: 153.5

Facility type: ☒ Class I ☐ Class III ☐ C&D Debris Disposal
 (Check all that apply) ☐ Other: _____

II. TYPE OF FINANCIAL ASSURANCE DOCUMENT (Check type)

- ☐ Letter of Credit* ☒ Insurance Certificate ☐ Escrow Account
☐ Performance Bond* ☐ Financial Test ☐ Form 29 (FA Deferral)
☐ Guarantee Bond* ☐ Trust Fund Agreement

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

Northwest District
160 Government Center
Pensacola, FL 32502-5794
850-595-8360

Northeast District
7825 Baymeadows Way, Ste. B200
Jacksonville, FL 32256-7590
904-807-3300

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

Southwest District
13051 N. Telecom Pky.
Temple Terrace, FL 33637
813-632-7600

South District
2295 Victoria Ave., Ste. 364
Fort Myers, FL 33901-3881
239-332-6975

Southeast District
400 N. Congress Ave., Ste. 200
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, (F.A.C.) 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

☒ (b) Recalculated or New Cost Estimates

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 Deflatory by the Deflator for the previous year. The inflation factor may also be obtained from the Solid Waste website www.dep.state.fl.us/waste/categories/swfr or call the Financial Coordinator at (850) 245-8706.

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

Latest Department Approved Closing Cost Estimate:		Current Year Inflation Factor, e.g. 1.02		Inflation Adjusted Closing Cost Estimate:
_____	x	_____	=	_____

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, e.g. 1.02		Inflation Adjusted Annual Long-Term Care Cost Estimate:
_____	x	_____	=	_____

Number of Years of Long Term Care Remaining:	x	_____
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Inflation Adjusted Long-Term Care Cost Estimate:	=	_____
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Signature by: ☐ Owner/Operator ☒ Engineer (check what applies)

Signature

Address

Name & Title

City, State, Zip Code

Date

E-Mail Address

Telephone Number

IV. ESTIMATED CLOSING COST (check what applies)

Recalculated Cost Estimate

☐ **New Facility Cost Estimate**

Notes: 1. Cost estimates for the time period when the extent and manner of landfill operation makes closing most exp

2. Cost estimate must be certified by a professional engineer.

3. Cost estimates based on third party suppliers of material, equipment and labor at fair market value.

4. In some cases, a price quote in support of individual item estimates may be required.

Description	Unit	Number of Units	Cost / Unit	Total Cost
1. Proposed Monitoring Wells (Do not include wells already in existence.)				
	EA	0		
Subtotal Proposed Monitoring Wells:				
2. Slope and Fill (bedding layer between waste and barrier layer):				
Excavation	CY			
Placement and Spreading	CY			
Compaction	CY			
Off-Site Material	CY	186,284	\$3.75	\$698,565.00
Delivery	CY			
Subtotal Slope and Fill:				\$698,565.00
3. Cover Material (Barrier Layer):				
Off-Site Clay	CY			
Synthetics - 40 mil	SY	558,850	\$2.88	\$1,609,488.00
Synthetics - GCL	SY			
Synthetics - Geonet	SY	544,316	\$3.78	\$2,057,514.48
Synthetics - Other (explain)				
Subtotal Cover Material:				\$3,667,002.48
4. Top Soil Cover:				
Off-Site Material	CY	372,567	\$4.50	\$1,676,551.50
Delivery	CY			
Spread	CY			
Subtotal Top Soil Cover:				\$1,676,551.50
5. Vegetative Layer				
Sodding	SY	558,850	\$2.70	\$1,508,895.00
Hydroseeding	AC			
Fertilizer	AC			
Mulch	AC			
Other (explain)				
Subtotal Vegetative Layer:				\$1,508,895.00
6. Stormwater Control System:				
Earthwork	CY	31,090	\$3.00	\$93,270.00
Grading	SY	8,540	\$20.00	\$170,800.00
Piping	LF	11,800	\$35.00	\$413,000.00
Ditches	LF	0	\$0.00	
Berms	LF	179	\$1,750.00	\$313,250.00
Control Structures	EA	0	\$0.00	
Other (explain) "weye" connection;	EA	168	\$1,250.00	\$210,000.00
Subtotal Stormwater Control System:				\$1,200,320.00

Description	Unit	Number of Units	Cost / Unit	Total Cost
7. Passive Gas Control:				
Wells	EA	_____	_____	_____
Pipe and Fittings	LF	_____	_____	_____
Monitoring Probes	EA	_____	_____	_____
NSPS/Title V requirements	LS	1	_____	_____
Subtotal Passive Gas Control:				_____
8. Active Gas Extraction Control:				
Traps	EA	_____	_____	_____
Sumps	EA	_____	_____	_____
Flare Assembly	EA	_____	_____	_____
Flame Arrestor	EA	_____	_____	_____
Mist Eliminator	EA	_____	_____	_____
Flow Meter	EA	_____	_____	_____
Blowers	EA	_____	_____	_____
Collection System	LF	_____	_____	_____
Other (explain) _____	_____	1	\$1,932,175.60	\$1,932,175.60
itemized in narrative				
Subtotal Active Gas Extraction Control:				\$1,932,175.60
9. Security System:				
Fencing	LF	_____	_____	_____
Gate(s)	EA	_____	_____	_____
Sign(s)	EA	_____	_____	_____
Subtotal Security System:				_____
10. Engineering:				
Closure Plan Report	LS	1	_____	_____
Certified Engineering Drawings	LS	1	_____	_____
NSPS/Title V Air Permit	LS	1	_____	_____
Final Survey	LS	1	_____	_____
Certification of Closure	LS	1	_____	_____
Other (explain) _____	_____	1	\$213,670.21	\$213,670.21
2% of Construction Cost				
Subtotal Engineering:				\$213,670.21

Description	Hours	Cost / Hour	Hours	Cost / Hour	Total Cost
11. Professional Services					
	<u>Contract Management</u>		<u>Quality Assurance</u>		
P.E. Supervisor	_____	_____	_____	_____	_____
On-Site Engineer	_____	_____	_____	_____	_____
Office Engineer	_____	_____	_____	_____	_____
On-Site Technician	_____	_____	1	\$320,505.00	\$320,505.00
Other (explain) _____	1	\$534,176.00	_____	_____	\$534,176.00
3% and 5% of cons. Cost					

Description	Unit	Number of Units	Cost / Unit	Total Cost
Quality Assurance Testing	LS	1	_____	_____
Subtotal Professional Services:				\$854,681.00

Subtotal of 1-11 Above: \$11,751,860.79

12. Contingency 10 % of Subtotal of 1-11 Above \$1,175,186.08

Subtotal Contingency: \$1,175,186.08

Estimated Closing Cost Subtotal: \$12,927,046.87

Description	Total Cost
13. Site Specific Costs	
Mobilization	<u>\$75,000.00</u>
Waste Tire Facility	<u> </u>
Materials Recovery Facility	<u> </u>
Special Wastes	<u> </u>
Leachate Management System Modification	<u> </u>
Other (explain) <u> </u>	<u> </u>
<u> </u>	
Subtotal Site Specific Costs:	<u>\$75,000.00</u>

TOTAL ESTIMATED CLOSING COSTS (\$): \$13,002,046.87

V. ANNUAL COST FOR LONG-TERM CARE

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.

(Check Term Length) ☐ 5 Years ☐ 20 Years ☒ 30 Years ☐ Other, ____ Years

Notes: 1. Cost estimates must be certified by a professional engineer.

2. Cost estimates based on third party suppliers of material, equipment and labor at fair market value.

3. In some cases, a price quote in support of individual item estimates may be required.

All items must be addressed. Attach a detailed explanation for all entries left blank.

Description	Sampling Frequency (Events / Year)	Number of Wells	(Cost / Well) / Event	Annual Cost
1. Groundwater Monitoring [62-701.510(6), and (8)(a)]				
Monthly	12			
Quarterly	4			
Semi-Annually	2	56	\$378.00	\$42,336.00
Annually	1			
Subtotal Groundwater Monitoring:				\$42,336.00
2. Surface Water Monitoring [62-701.510(4), and (8)(b)]				
Monthly	12			
Quarterly	4			
Semi-Annually	2	2	\$455.00	\$1,820.00
Annually	1			
Subtotal Surface Water Monitoring:				\$1,820.00
3. Gas Monitoring [62-701.400(10)]				
Monthly	12			
Quarterly	4	1	\$1,075.00	\$4,300.00
Semi-Annually	2			
Annually	1	1		
Subtotal Gas Monitoring:				\$4,300.00
4. Leachate Monitoring [62-701.510(5), (6)(b) and 62-701.510(8)c]				
Monthly	12			
Quarterly	4			
Semi-Annually	2			
Annually	1	0		
Other (explain) _____				
Subtotal Leachate Monitoring:				

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
5. Leachate Collection/Treatment Systems Maintenance				
<u>Maintenance</u>				
Collection Pipes	LF	2,917	\$0.58	\$1,691.86
Sumps, Traps	EA	1	\$642.20	\$642.20
Lift Stations	EA			
Cleaning	LS	1		
Tanks	EA			

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
5. (continued)				
<u>Impoundments</u>				
Liner Repair	SY	<u>10.000</u>	<u>\$0.19</u>	<u>\$1,933.33</u>
Sludge Removal	CY	<u> </u>	<u> </u>	<u> </u>
<u>Aeration Systems</u>				
Floating Aerators	EA	<u>1</u>	<u>\$250.00</u>	<u>\$250.00</u>
Spray Aerators	EA	<u> </u>	<u> </u>	<u> </u>
<u>Disposal</u>				
Off-site (Includes transportation and disposal)	1000 gallon	<u>1,288.6</u>	<u>\$40.00</u>	<u>\$51,544.00</u>
Subtotal Leachate Collection / Treatment Systems Maintenance:				<u>\$56,061.39</u>
6. Groundwater Monitoring Well Maintenance				
Monitoring Wells	LF	<u>5</u>	<u>\$113.40</u>	<u>\$567.00</u>
Replacement	EA	<u> </u>	<u> </u>	<u> </u>
Abandonment	EA	<u> </u>	<u> </u>	<u> </u>
Subtotal Groundwater Monitoring Well Maintenance:				<u>\$567.00</u>
7. Gas System Maintenance				
Piping, Vents	LF	<u>177</u>	<u>\$55.00</u>	<u>\$9,735.00</u>
Blowers	EA	<u>50</u>	<u>\$55.00</u>	<u>\$2,750.00</u>
Flaring Units	EA	<u>1</u>	<u>\$2,500.00</u>	<u>\$2,500.00</u>
Meters, Valves	EA	<u> </u>	<u> </u>	<u> </u>
Compressors	EA	<u> </u>	<u> </u>	<u> </u>
Flame Arrestors	EA	<u> </u>	<u> </u>	<u> </u>
Operation	LS	<u>1</u>	<u> </u>	<u> </u>
Subtotal Gas System Maintenance:				<u>\$14,985.00</u>
8. Landscape Maintenance				
Mowing	AC	<u>307</u>	<u>\$122.72</u>	<u>\$37,675.04</u>
Fertilizer	AC	<u> </u>	<u> </u>	<u> </u>
Subtotal Landscape Maintenance:				<u>\$37,675.04</u>
9. Erosion Control and Cover Maintenance				
Sodding	SY	<u>1,210</u>	<u>\$2.70</u>	<u>\$3,267.00</u>
Regrading	AC	<u>1</u>	<u>\$2,500.00</u>	<u>\$2,500.00</u>
Liner Repair	SY	<u> </u>	<u> </u>	<u> </u>
Clay	CY	<u> </u>	<u> </u>	<u> </u>
Subtotal Erosion Control and Cover Maintenance:				<u>\$5,767.00</u>
10. Storm Water Management System Maintenance				
Conveyance Maintenance	LS	<u>1</u>	<u>\$2,500.00</u>	<u>\$2,500.00</u>
Subtotal Storm Water Management System Maintenance:				<u>\$2,500.00</u>
11. Security System Maintenance				
Fences	LF	<u>1</u>	<u>\$400.00</u>	<u>\$400.00</u>
Gate(s)	EA	<u>1</u>	<u>\$26.67</u>	<u>\$26.67</u>
Sign(s)	EA	<u>1</u>	<u>\$40.00</u>	<u>\$40.00</u>
Subtotal Security System Maintenance:				<u>\$466.67</u>

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
12. Utilities	LS	<u>1</u>	<u>\$4,756.74</u>	<u>\$4,756.74</u>
			Subtotal Utilities:	<u>\$4,756.74</u>
13. Leachate Collection/Treatment Systems Operation				
<u>Operation</u>				
P.E. Supervisor	HR	<u> </u>	<u> </u>	<u> </u>
On-Site Engineer	HR	<u> </u>	<u> </u>	<u> </u>
Office Engineer	HR	<u> </u>	<u> </u>	<u> </u>
OnSite Technician	HR	<u>156</u>	<u>\$65.00</u>	<u>\$10,140.00</u>
Materials	LS	<u>1</u>	<u>\$500.00</u>	<u>\$500.00</u>
			Subtotal Leachate Collection/Treatment Systems Operation:	<u>\$10,640.00</u>
14. Administrative				
P.E. Supervisor	HR	<u>8</u>	<u>\$150.00</u>	<u>\$1,200.00</u>
On-Site Engineer	HR	<u>8</u>	<u>\$120.00</u>	<u>\$960.00</u>
Office Engineer	HR	<u> </u>	<u> </u>	<u> </u>
OnSite Technician	HR	<u>8</u>	<u>\$65.00</u>	<u>\$520.00</u>
Other <u>clerical</u>	<u>HR</u>	<u>120</u>	<u>\$40.00</u>	<u>\$4,800.00</u>
			Subtotal Administrative:	<u>\$7,480.00</u>

Subtotal of 1-14 Above: \$189,354.84

15. Contingency	<u>10</u>	% of Subtotal of 1-14 Above	<u>\$18,935.48</u>
		Subtotal Contingency:	<u>\$18,935.48</u>

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
16. Site Specific Costs				
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
<u> </u>	<u> </u>	<u> </u>	<u> </u>	<u> </u>
			Subtotal Site Specific Costs:	<u> </u>

ANNUAL LONG-TERM CARE COST (\$ / YEAR): \$208,290.32

Number of Years of Long-Term Care: 30

TOTAL LONG-TERM CARE COST (\$): \$6,248,709.72

VI. CERTIFICATION BY ENGINEER

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



Signature

Alex Rivera, P.E., Engineer

Name and Title (please type)

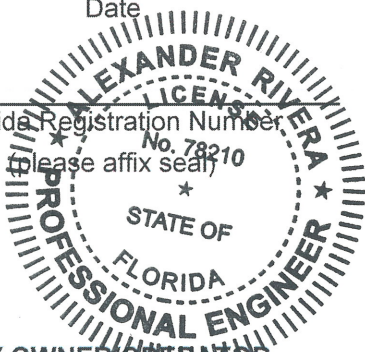
5/2/2017

Date

78210

Florida Registration Number

Please affix seal



13101 Telecom Dr., Suite 120

Mailing Address

Temple Terrace, FL, 33637

City, State, Zip Code

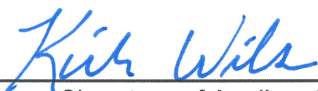
arivera@Geosyntec.com

E-Mail address (if available)

813-558-0990

Telephone Number

VII. SIGNATURE BY OWNER/OPERATOR



Signature of Applicant

Kirk Wills, South Region Engineer

Name and Title (please type)

kirk.wills@wasteconnections.com

E-Mail address (if available)

5135 Madison Avenue

Mailing Address

Tampa, FL 33619

City, State, Zip Code

813-388-1026

Telephone Number