



# FLORIDA DEPARTMENT OF Environmental Protection

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

**Ron DeSantis**  
Governor

**Jeanette Nuñez**  
Lt. Governor

**Shawn Hamilton**  
Interim Secretary

September 28, 2021

Transmitted to: [kirk.wills@wasteconnections.com](mailto:kirk.wills@wasteconnections.com)

Mr. Kirk Wills, Waste Connections of Osceola County, LLC  
5135 Madison Avenue  
Tampa, Florida 33619

Re: J.E.D. Class I Landfill – JED Financial Assurance Cell 14  
Permit No.: 0199726-033-SO-01  
WACS No.: 89544

Dear Ms. Olson:

This letter is to acknowledge receipt of the subject facility's recalculated closure cost estimates for Phase 5 including proposed Cell 14, dated and received September 7, 2021. The recalculated estimates were submitted to comply with Rule 62-701.630(4)(a), Florida Administrative Code, (F.A.C.) and were submitted by Geosyntec, Inc. on behalf of Waste Connections of Osceola County, LLC. The following cost estimates are **APPROVED for 2021:**

Phase 5            189.7 Acres  
Closing: \$23,882,238.22  
Annual Long-Term Care: \$527,661.59  
Total Long-Term Care for 30 years = \$15,829,847.83

A copy of this letter 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@FloridaDEP.gov](mailto:Susan.F.Eldredge@FloridaDEP.gov) 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) 245-8860.

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:

[https://fldeploc.dep.state.fl.us/WWW\\_WACS/REPORTS/SW\\_Facility\\_Docs.asp?wacsid=89544](https://fldeploc.dep.state.fl.us/WWW_WACS/REPORTS/SW_Facility_Docs.asp?wacsid=89544)

Mr. Kirk Wills  
September 28, 2021  
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Sincerely,

A handwritten signature in black ink, appearing to read "Ryan Barker", with a long horizontal flourish extending to the right.

---

Ryan M. Barker, E.I.  
Engineering Specialist I, Solid Waste Section  
Permitting and Compliance Assistance Program

Enclosure: Closure Cost Estimate Forms, September 7, 2021

Copies furnished to:

Alexander Rivera, P.E., Geosyntec, [arivera@geosyntec.com](mailto:arivera@geosyntec.com)  
El Kromhout, P.G., FDEP Tallahassee, [elizabeth.kromhout@floridadep.gov](mailto:elizabeth.kromhout@floridadep.gov)  
Ryan Barker, E.I., FDEP Tallahassee, [ryan.m.barker@floridadep.gov](mailto:ryan.m.barker@floridadep.gov)  
FDEP Central District, [DEP\\_CD@floridadep.gov](mailto:DEP_CD@floridadep.gov)



# 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.: 0199726-033-SO-01 Expiration Date: 06/13/2027  
 Facility Address: 1501 Omni Way, St. Cloud, Florida 34773  
 Permittee or Owner/Operator: Waste Connections 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 14	18.6	N/A				
Cell 12	17.6	2020				
Cell 13	17.5	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: 145.9 Long-Term Care: 189.7

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 Deflator 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](http://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:

\_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_

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:

\_\_\_\_\_ × \_\_\_\_\_ = \_\_\_\_\_

Number of Years of Long Term Care Remaining:

× \_\_\_\_\_

**Inflation Adjusted Long-Term Care Cost Estimate:**

= \_\_\_\_\_

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
<b>1. Proposed Monitoring Wells (Do not include wells already in existence.)</b>				
	EA	0		
Subtotal Proposed Monitoring Wells:				
<b>2. Slope and Fill (bedding layer between waste and barrier layer):</b>				
Excavation	CY			
Placement and Spreading	CY			
Compaction	CY			
On-Site Material	CY	246,455	\$8.00	\$1,971,640.00
Delivery	CY			
Subtotal Slope and Fill:				\$1,971,640.00
<b>3. Cover Material (Barrier Layer):</b>				
Off-Site Clay	CY			
Synthetics - 40 mil (textured & smooth) SY	SY	739,380	\$3.85	\$2,846,613.00
Synthetics - GCL	SY			
Synthetics - Geonet	SY	650,197	\$6.69	\$4,349,817.93
Synthetics - Other (explain)				
Subtotal Cover Material:				\$7,196,430.93
<b>4. Top Soil Cover:</b>				
On-Site Material	CY	492,909	\$8.00	\$3,943,272.00
Delivery	CY			
Spread	CY			
Subtotal Top Soil Cover:				\$3,943,272.00
<b>5. Vegetative Layer</b>				
Sodding	SY	739,364	\$2.70	\$1,996,282.80
Hydroseeding	AC			
Fertilizer	AC			
Mulch	AC			
Other (explain)				
Subtotal Vegetative Layer:				\$1,996,282.80
<b>6. Stormwater Control System:</b>				
Earthwork	CY	115,876	\$8.00	\$927,008.00
Piping (4 in. diameter)	LF	21,804	\$12.00	\$261,648.00
Piping (18-in. diameter)	LF	3,295	\$95.00	\$313,025.00
Piping (24-in. diameter)	LF	10,994	\$110.00	\$1,209,340.00
Piping (30-in. diameter)	LF	1,419	\$125.00	\$177,375.00
TRM	SY	1,481	\$10.25	\$15,180.25
Other (explain) Itemized - Wyess, Thrust Blocks, and Control Structures	EA	1	\$229,500.00	\$229,500.00
Subtotal Stormwater Control System:				\$3,133,076.25

Description	Unit	Number of Units	Cost / Unit	Total Cost
<b>7. Passive Gas Control:</b>				
Wells	EA	_____	_____	_____
Pipe and Fittings	LF	_____	_____	_____
Monitoring Probes	EA	_____	_____	_____
NSPS/Title V requirements	LS	1	_____	_____
Subtotal Passive Gas Control:				_____
<b>8. Active Gas Extraction Control:</b>				
Traps	EA	_____	_____	_____
Sumps	EA	_____	_____	_____
Flare Assembly	EA	_____	_____	_____
Flame Arrestor	EA	_____	_____	_____
Mist Eliminator	EA	_____	_____	_____
Flow Meter	EA	_____	_____	_____
Blowers	EA	_____	_____	_____
Collection System	LF	_____	_____	_____
Other (explain) _____	_____	1	\$1,160,030.00	\$1,160,030.00
Itemized in narrative		Subtotal Active Gas Extraction Control:		\$1,160,030.00
<b>9. Security System:</b>				
Fencing	LF	_____	_____	_____
Gate(s)	EA	_____	_____	_____
Sign(s)	EA	_____	_____	_____
Subtotal Security System:				_____
<b>10. Engineering:</b>				
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	\$388,014.64	\$388,014.64
2% of Construction Cost		Subtotal Engineering:		\$388,014.64

Description	Hours	Cost / Hour	Hours	Cost / Hour	Total Cost
<b>11. Professional Services</b>					
	<u>Contract Management</u>		<u>Quality Assurance</u>		
P.E. Supervisor	_____	_____	_____	_____	_____
On-Site Engineer	_____	_____	_____	_____	_____
Office Engineer	_____	_____	_____	_____	_____
On-Site Technician	_____	_____	1	_____	_____
Other (explain) _____	1	\$582,000	1	\$970,000	\$1,552,059.00
3% and 5% of cons. Cost					

Description	Unit	Number of Units	Cost / Unit	Total Cost
Quality Assurance Testing	LS	1	\$48,501.85	\$48,501.85
Subtotal Professional Services:				\$1,600,560.85

**Subtotal of 1-11 Above:** \$21,389,307.47

<b>12. Contingency</b>	<u>10</u>	% of Subtotal of 1-11 Above	<u>\$2,138,930.75</u>
		Subtotal Contingency:	<u>\$2,138,930.75</u>

**Estimated Closing Cost Subtotal:** \$23,528,238.22

Description	Total Cost
<b>13. Site Specific Costs</b>	
Mobilization	\$354,000.00
Waste Tire Facility	
Materials Recovery Facility	
Special Wastes	
Leachate Management System Modification	
Other (explain) _____	
Subtotal Site Specific Costs:	\$354,000.00

**TOTAL ESTIMATED CLOSING COSTS (\$):** \$23,882,238.22

## 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
<b>1. Groundwater Monitoring [62-701.510(6), and (8)(a)]</b>				
Monthly	12			
Quarterly	4			
Semi-Annually	2	75	\$353.00	\$52,950.00
Annually	1			
Subtotal Groundwater Monitoring:				\$52,950.00
<b>2. Surface Water Monitoring [62-701.510(4), and (8)(b)]</b>				
Monthly	12			
Quarterly	4			
Semi-Annually	2	2	\$537.00	\$2,148.00
Annually	1			
Subtotal Surface Water Monitoring:				\$2,148.00
<b>3. Gas Monitoring [62-701.400(10)]</b>				
Monthly	12			
Quarterly	4	1	\$1,152.00	\$4,608.00
Semi-Annually	2			
Annually	1	1		
Subtotal Gas Monitoring:				\$4,608.00
<b>4. Leachate Monitoring [62-701.510(5), (6)(b) and 62-701.510(8)c]</b>				
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
<b>5. Leachate Collection/Treatment Systems Maintenance</b>				
<u>Maintenance</u>				
Collection Pipes	LF	4,077	\$0.59	\$2,405.43
Pump Maintenance	EA	1	\$628.42	\$628.42
Lift Stations	EA			
Cleaning	LS	1		
Tanks	EA			



Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
<b>5. (continued)</b>				
<u>Impoundments</u>				
Liner Repair	SY	<u>1</u>	<u>\$1,416.67</u>	<u>\$1,416.67</u>
Sludge Removal	CY	<u>          </u>	<u>          </u>	<u>          </u>
<u>Aeration Systems</u>				
Floating Aerators	EA	<u>1</u>	<u>\$300.00</u>	<u>\$300.00</u>
Spray Aerators	EA	<u>          </u>	<u>          </u>	<u>          </u>
<u>Disposal</u>				
Off-site (Includes transportation and disposal)	1000 gallon	<u>1,592.4</u>	<u>\$140.00</u>	<u>\$222,936.00</u>
Subtotal Leachate Collection / Treatment Systems Maintenance:				<u>\$227,686.52</u>
<b>6. Groundwater Monitoring Well Maintenance</b>				
Monitoring Wells	EA	<u>5</u>	<u>\$120.00</u>	<u>\$600.00</u>
Replacement	EA	<u>          </u>	<u>          </u>	<u>          </u>
Abandonment	EA	<u>          </u>	<u>          </u>	<u>          </u>
Subtotal Groundwater Monitoring Well Maintenance:				<u>\$600.00</u>
<b>7. Gas System Maintenance</b>				
Well Maintenance	EA	<u>191</u>	<u>\$60.00</u>	<u>\$11,460.00</u>
Lateral/Header Pipe	LF	<u>50</u>	<u>\$60.00</u>	<u>\$3,000.00</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>\$16,960.00</u>
<b>8. Landscape Maintenance</b>				
Mowing (2 events)	AC	<u>379.4</u>	<u>\$45.99</u>	<u>\$17,450.00</u>
Fertilizer	AC	<u>          </u>	<u>          </u>	<u>          </u>
Subtotal Landscape Maintenance:				<u>\$17,450.00</u>
<b>9. Erosion Control and Cover Maintenance</b>				
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>
<b>10. Storm Water Management System Maintenance</b>				
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>
<b>11. Security System Maintenance</b>				
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
<b>12. Utilities</b>	LS	<u>1</u>	<u>\$128,852.17</u>	<u>\$128,852.17</u>
			Subtotal Utilities:	<u>\$128,852.17</u>

**13. Leachate Collection/Treatment Systems Operation**

Operation

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>\$73.00</u>	<u>\$11,388.00</u>
Materials	LS	<u>1</u>	<u>\$500.00</u>	<u>\$500.00</u>
			Subtotal Leachate Collection/Treatment Systems Operation:	<u>\$11,888.00</u>

**14. Administrative**

P.E. Supervisor	HR	<u>8</u>	<u>\$174.00</u>	<u>\$1,392.00</u>
On-Site Engineer	HR	<u>8</u>	<u>\$130.00</u>	<u>\$1,040.00</u>
Office Engineer	HR	<u>          </u>	<u>          </u>	<u>          </u>
OnSite Technician	HR	<u>8</u>	<u>\$73.00</u>	<u>\$584.00</u>
Other <u>clerical</u>	<u>HR</u>	<u>120</u>	<u>\$40.00</u>	<u>\$4,800.00</u>
			Subtotal Administrative:	<u>\$7,816.00</u>

**Subtotal of 1-14 Above:** \$479,692.36

<b>15. Contingency</b>	<u>10</u>	% of Subtotal of 1-14 Above	<u>\$47,969.24</u>
		Subtotal Contingency:	<u>\$47,969.24</u>

Description	Unit	Number of Units / Year	Cost / Unit	Annual Cost
<b>16. Site Specific Costs</b>		<u>1</u>	<u>          </u>	<u>          </u>
<u>                                  </u>	<u>          </u>	<u>1</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):** \$527,661.59

Number of Years of Long-Term Care: 30

**TOTAL LONG-TERM CARE COST (\$):** \$15,829,847.83

## 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

12802 Tampa Oaks Blvd, Suite 151

Mailing Address

Alexander Rivera, P.E., Engineer

Name and Title (please type)

Tampa, FL, 33637

City, State, Zip Code

9/7/2021

Date

arivera@geosyntec.com

E-Mail address (if available)

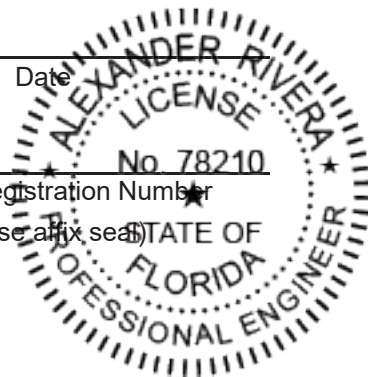
68613

Florida Registration Number

(please affix seal)

813-558-0990

Telephone Number



This item has been electronically signed and sealed by Alexander Rivera, P.E., on 09/7/2021 using a SHA authentication code.

Printed copies of this document are not considered signed and sealed and the SHA authentication code must be verified on any electronic copies

## VII. SIGNATURE BY OWNER/OPERATOR



Signature of Applicant

5135 Madison Avenue

Mailing Address

Kirk Wills, Southern Region Engineer

Name and Title (please type)

Tampa, Florida 33619

City, State, Zip Code

kirk.wills@wasteconnections.com

E-Mail address (if available)

813-388-1026

Telephone Number