



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

June 18, 2021

Transmitted via E-Mail only to: aroman@wm.com

Anthony Roman
Vista Landfill, LLC
242 W. Keene Road
Apopka, FL 32703

RE: Vista Landfill Detailed Closure Cost Estimate Approval
Permit No. 0165969-032-SO-MM, Orange County
WACS No: 87081

Dear Mr. Roman,

This letter is to acknowledge receipt of the subject facility's updated detailed closure cost estimates dated June 7, 2021 and received June 8, 2021 as pages 4 through 21 of the 5-year Certification Report. This cost estimate was prepared by SCS Engineers for closure and long-term care of the Vista Landfill, Class III located at 242 West Keene Road, Apopka, Florida 32703. This cost estimate provides closure and long-term care for 53.8 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 June 8, 2021 are **APPROVED for 2021**:

Closing – \$10,177,008.42
Annual Long-term care – \$169,785.99
Total Long-term care – \$5,093,579.85 for 30 years

The next annual cost estimate update is due between January 1 and March 1, 2022.

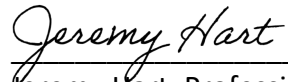
A copy of these estimates will be forwarded to the Financial Coordinator, FDEP, 2600 Blair Stone Road, MS 4565, Tallahassee, Florida 32399-2400. Please work with Susan Eldredge at (850) 245-8740 or susan.f.eldredge@dep.state.fl.us directly to assess the facility's compliance with the funding mechanism requirements of Rule 62-701.630, F.A.C. If you have any questions, you may contact me at (850) 245-8961.

Mr. Anthony Roman
June 18, 2021
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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://approd.dep.state.fl.us/WWW_WACS/Reports/SW_Facility_Docs.asp?wacsid=\[87081\]](http://approd.dep.state.fl.us/WWW_WACS/Reports/SW_Facility_Docs.asp?wacsid=[87081])

Sincerely,



Jeremy Hart, Professional Geologist II
Solid Waste Section
Permitting and Compliance Assistance Program

Enclosure: Closure Cost Estimating Form for Vista Landfill Dated June 7, 2021

cc: Belinda M. Ricklin, P.E., SCS Engineers, bricklin@scsengineers.com
Sheree Grant., Waste Management, sgrant@wm.com
El Kromhout, P.G, FDEP PCAP, Elizabeth.kromhout@floridadep.gov
Central District, DEP_CD@dep.state.fl
Financial.Assurance.Working.Group@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: Vista Landfill, Class III WACS ID: 87081
Permit Application or Consent Order No.: 0165969-030-SO Expiration Date: 6/1/2036
Facility Address: 242 West Keene Road, Apopka, Florida 32703
Permittee or Owner/Operator: Vista Landfill, LLC
Mailing Address: 242 West Keene Road, Apopka, Florida 32703

Latitude: 28° 38' 24.5" Longitude: 81° 30' 41.7"
Coordinate Method: State Plane Datum: NAD 83/90
Collected by: T. Jeffery YPung, PSM, CP Company/Affiliation: Pickett Surveying and Photogram

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 |
|--------------|-------|---------------------------------|---|-----------------------------------|-------------------------------------|-------------------------------------|
| Cells 1-6 | 53.8 | 11/14/2008 | 26 | 15 | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

Total disposal unit acreage included in this estimate: Closure: 53.8 Long-Term Care: 53.8

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 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 |
|--|------|-----------------|-------------|----------------|
| 1. Proposed Monitoring Wells (Do not include wells already in existence.) | | | | |
| | EA | | | |
| Subtotal Proposed Monitoring Wells: | | | | |
| 2. Slope and Fill (bedding layer between waste and barrier layer): | | | | |
| Excavation | CY | 45,135 | \$1.29 | \$58,224.15 |
| Placement and Spreading | CY | 45,135 | \$5.48 | \$247,339.80 |
| Compaction | CY | | | |
| Off-Site Material | CY | | | |
| Delivery | CY | | | |
| Subtotal Slope and Fill: | | | | \$305,563.95 |
| 3. Cover Material (Barrier Layer): | | | | |
| Off-Site Clay | CY | | | |
| Synthetics - 40 mil | SY | 297,888 | \$13.75 | \$4,095,960.00 |
| Synthetics - GCL | SY | | | |
| Synthetics - Geonet | SY | 125,113 | \$13.35 | \$1,670,258.55 |
| Synthetics - Other (explain) | CY | 113,256 | \$7.70 | \$872,071.20 |
| 18 inch protective cover | | | | |
| Subtotal Cover Material: | | | | \$6,638,289.75 |
| 4. Top Soil Cover: | | | | |
| Off-Site Material | CY | 51,634 | \$1.28 | \$66,091.52 |
| Delivery | CY | | | |
| Spread | CY | 51,634 | \$6.42 | \$331,490.28 |
| Subtotal Top Soil Cover: | | | | \$397,581.80 |
| 5. Vegetative Layer | | | | |
| Sodding | SY | 260,392 | \$2.88 | \$749,928.96 |
| Hydroseeding | AC | | | |
| Fertilizer | AC | | | |
| Mulch | AC | | | |
| Other (explain) | | | | |
| Subtotal Vegetative Layer: | | | | \$749,928.96 |
| 6. Stormwater Control System: | | | | |
| Earthwork | CY | | | |
| Grading | SY | | | |
| Piping | LF | 2,636 | \$58.50 | \$154,206.00 |
| Ditches | LF | 8,400 | \$6.25 | \$52,500.00 |
| Berms | LF | | | |
| Control Structures | EA | 49 | \$3,400.00 | \$166,600.00 |
| Other (explain) | | | | |
| Subtotal Stormwater Control System: | | | | \$373,306.00 |

| 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) <u>AGCS cost per</u> | _____ | 1 | \$200,000.00 | \$200,000.00 |
| <u>SCS cost cells 1-4 (Cell 5-6 portion)</u> | _____ | _____ | _____ | _____ |
| Subtotal Active Gas Extraction Control: | | | | \$200,000.00 |
| 9. Security System: | | | | |
| Fencing | LF | _____ | _____ | _____ |
| Gate(s) | EA | 1 | \$5,000.00 | \$5,000.00 |
| Sign(s) | EA | _____ | _____ | _____ |
| Subtotal Security System: | | | | \$5,000.00 |
| 10. Engineering: | | | | |
| Closure Plan Report | LS | 1 | \$7,300.00 | \$7,300.00 |
| Certified Engineering Drawings | LS | 1 | \$26,000.00 | \$26,000.00 |
| NSPS/Title V Air Permit | LS | 1 | \$5,800.00 | \$5,800.00 |
| Final Survey | LS | 1 | \$12,700.00 | \$12,700.00 |
| Certification of Closure | LS | 1 | \$18,000.00 | \$18,000.00 |
| Other (explain) _____ | _____ | _____ | _____ | _____ |
| Subtotal Engineering: | | | | \$69,800.00 |

| Description | Hours | Cost / Hour | Hours | Cost / Hour | Total Cost |
|----------------------------------|----------------------------|-------------|--------------------------|-------------|-------------|
| 11. Professional Services | | | | | |
| | <u>Contract Management</u> | | <u>Quality Assurance</u> | | |
| P.E. Supervisor | 24 | \$200.00 | 19 | \$200.00 | \$8,600.00 |
| On-Site Engineer | 40 | \$150.00 | 96 | \$150.00 | \$20,400.00 |
| Office Engineer | 60 | \$120.00 | 48 | \$120.00 | \$12,960.00 |
| On-Site Technician | _____ | _____ | 480 | \$80.00 | \$38,400.00 |
| Other (explain) _____ | _____ | _____ | _____ | _____ | _____ |

| Description | Unit | Number of Units | Cost / Unit | Total Cost |
|---------------------------------|------|-----------------|--------------|--------------|
| Quality Assurance Testing | LS | 1 | \$120,000.00 | \$120,000.00 |
| Subtotal Professional Services: | | | | \$200,360.00 |

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 | 13 | \$1,080.00 | \$28,080.00 |
| Annually | 1 | 11 | \$274.55 | \$3,020.05 |
| Subtotal Groundwater Monitoring: | | | | \$31,100.05 |
| 2. Surface Water Monitoring [62-701.510(4), and (8)(b)] | | | | |
| Monthly | 12 | _____ | _____ | _____ |
| Quarterly | 4 | _____ | _____ | _____ |
| Semi-Annually | 2 | _____ | _____ | _____ |
| Annually | 1 | _____ | _____ | _____ |
| Subtotal Surface Water Monitoring: | | | | _____ |
| 3. Gas Monitoring [62-701.400(10)] | | | | |
| Monthly | 12 | 1 | \$1,660.00 | \$19,920.00 |
| Quarterly | 4 | _____ | _____ | _____ |
| Semi-Annually | 2 | _____ | _____ | _____ |
| Annually | 1 | _____ | _____ | _____ |
| Subtotal Gas Monitoring: | | | | \$19,920.00 |
| 4. Leachate Monitoring [62-701.510(5), (6)(b) and 62-701.510(8)c] | | | | |
| Monthly | 12 | _____ | _____ | _____ |
| Quarterly | 4 | _____ | _____ | _____ |
| Semi-Annually | 2 | _____ | _____ | _____ |
| Annually | 1 | _____ | _____ | _____ |
| 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 | _____ | _____ | _____ |
| Sumps, Traps | EA | 6 | \$150.00 | \$900.00 |
| Lift Stations | EA | _____ | _____ | _____ |
| Cleaning | LS | 1 | \$5,100.00 | \$5,100.00 |
| Tanks | EA | 2 | \$250.00 | \$500.00 |

| Description | Unit | Number of Units / Year | Cost / Unit | Annual Cost |
|--|-------------|-----------------------------------|--------------------|--------------------|
| 5. (continued) | | | | |
| <u>Impoundments</u> | | | | |
| Liner Repair | SY | _____ | _____ | _____ |
| Sludge Removal | CY | _____ | _____ | _____ |
| <u>Aeration Systems</u> | | | | |
| Floating Aerators | EA | _____ | _____ | _____ |
| Spray Aerators | EA | _____ | _____ | _____ |
| <u>Disposal</u> | | | | |
| Off-site (Includes transportation and disposal) | 1000 gallon | <u>580</u> | <u>\$3.00</u> | <u>\$1,740.00</u> |
| Subtotal Leachate Collection / Treatment Systems Maintenance: | | | | <u>\$8,240.00</u> |
| 6. Groundwater Monitoring Well Maintenance | | | | |
| Monitoring Wells | LF | <u>90</u> | <u>\$10.00</u> | <u>\$900.00</u> |
| Replacement | EA | _____ | _____ | _____ |
| Abandonment | EA | _____ | _____ | _____ |
| Subtotal Groundwater Monitoring Well Maintenance: | | | | <u>\$900.00</u> |
| 7. Gas System Maintenance | | | | |
| Piping, Vents | LF | <u>120</u> | <u>\$60.00</u> | <u>\$7,200.00</u> |
| Blowers | EA | _____ | _____ | _____ |
| Flaring Units | EA | _____ | _____ | _____ |
| Meters, Valves | EA | _____ | _____ | _____ |
| Compressors | EA | _____ | _____ | _____ |
| Flame Arrestors | EA | _____ | _____ | _____ |
| Operation | LS | <u>1</u> | <u>\$1,200.00</u> | <u>\$1,200.00</u> |
| Subtotal Gas System Maintenance: | | | | <u>\$8,400.00</u> |
| 8. Landscape Maintenance | | | | |
| Mowing | AC | <u>80</u> | <u>\$30.02</u> | <u>\$2,401.60</u> |
| Fertilizer | AC | _____ | _____ | _____ |
| Subtotal Landscape Maintenance: | | | | <u>\$2,401.60</u> |
| 9. Erosion Control and Cover Maintenance | | | | |
| Sodding | SY | <u>360</u> | <u>\$2.88</u> | <u>\$1,036.80</u> |
| Regrading | AC | <u>0.07</u> | <u>\$9,800.00</u> | <u>\$686.00</u> |
| Liner Repair | SY | <u>10</u> | <u>\$27.10</u> | <u>\$271.00</u> |
| Clay | CY | _____ | _____ | _____ |
| Subtotal Erosion Control and Cover Maintenance: | | | | <u>\$1,993.80</u> |
| 10. Storm Water Management System Maintenance | | | | |
| Conveyance Maintenance | LS | <u>1</u> | <u>\$1,200.00</u> | <u>\$1,200.00</u> |
| Subtotal Storm Water Management System Maintenance: | | | | <u>\$1,200.00</u> |
| 11. Security System Maintenance | | | | |
| Fences | LS | <u>1</u> | <u>\$500.00</u> | <u>\$500.00</u> |
| Gate(s) | EA | _____ | _____ | _____ |
| Sign(s) | EA | _____ | _____ | _____ |
| Subtotal Security System Maintenance: | | | | <u>\$500.00</u> |

| Description | Unit | Number of Units / Year | Cost / Unit | Annual Cost |
|--|-------------------|-----------------------------|---|---------------------|
| 12. Utilities | LS | <u>1</u> | <u>\$60,000.00</u> | <u>\$60,000.00</u> |
| | | | Subtotal Utilities: | <u>\$60,000.00</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>96</u> | <u>\$80.00</u> | <u>\$7,680.00</u> |
| Materials | LS | <u>1</u> | <u> </u> | <u> </u> |
| | | | Subtotal Leachate Collection/Treatment Systems Operation: | <u>\$7,680.00</u> |
| 14. Administrative | | | | |
| P.E. Supervisor | HR | <u>12</u> | <u>\$200.00</u> | <u>\$2,400.00</u> |
| On-Site Engineer | HR | <u> </u> | <u> </u> | <u> </u> |
| Office Engineer | HR | <u>24</u> | <u>\$120.00</u> | <u>\$2,880.00</u> |
| OnSite Technician | HR | <u>36</u> | <u>\$80.00</u> | <u>\$2,880.00</u> |
| Other <u> </u> | <u> </u> | <u> </u> | <u> </u> | <u> </u> |
| | | | Subtotal Administrative: | <u>\$8,160.00</u> |
| | | | Subtotal of 1-14 Above: | <u>\$150,495.45</u> |
| 15. Contingency | <u>10</u> | % of Subtotal of 1-14 Above | | <u>\$15,049.55</u> |
| | | | Subtotal Contingency: | <u>\$15,049.55</u> |

| Description | Unit | Number of Units / Year | Cost / Unit | Annual Cost |
|--|-------------------|---------------------------|-------------------------------|-------------------|
| 16. Site Specific Costs | | | | |
| <u>Decommissioning GCCS and GMMWs</u> | <u> </u> | <u>1</u> | <u>\$2,991.00</u> | <u>\$2,991.00</u> |
| <u>Technical and Stability Reports</u> | <u> </u> | <u>0.25</u> | <u>\$5,000.00</u> | <u>\$1,250.00</u> |
| | | | Subtotal Site Specific Costs: | <u>\$4,241.00</u> |

ANNUAL LONG-TERM CARE COST (\$ / YEAR): \$169,785.99

Number of Years of Long-Term Care: 30

TOTAL LONG-TERM CARE COST (\$): \$5,093,579.85

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.

| | |
|--|--|
| <p>_____ Signature</p> <p>Belinda M. Ricklin, Sr. Proj. Manager Name and Title (please type)</p> <p>06/07/2021 _____ Date</p> <p>66567 _____ Florida License No. (please type)</p> | <p>1900 NW Corporate Blvd., Suite E300 _____ Mailing Address</p> <p>Boca Raton, FL 33431 _____ City, State, Zip Code</p> <p>bricklin@scsengineers.com _____ E-Mail address (if available)</p> <p>305-905-3511 _____ Telephone Number</p> |
|--|--|

A circular seal for a Professional Engineer in the State of Florida. The outer ring contains the text 'BELINDA M. RICKLIN' at the top and 'PROFESSIONAL ENGINEER' at the bottom, separated by two stars. Inside the ring, the word 'LICENSE' is at the top, 'No. 66567' is in the center, and 'STATE OF FLORIDA' is at the bottom, also separated by two stars.

VII. SIGNATURE BY OWNER/OPERATOR

| | |
|--|--|
| <p> _____ Signature of Applicant</p> <p>Anthony Roman, District Manager II _____ Name and Title (please type)</p> <p>ARoman@wm.com _____ E-Mail address (if available)</p> | <p>242 W Keene Rd _____ Mailing Address</p> <p>Apopka, FL 32703 _____ City, State, Zip Code</p> <p>(407) 992-1504 _____ Telephone Number</p> |
|--|--|