

**SOLID WASTE MANAGEMENT FACILITY
CLOSURE COST ESTIMATING FORM**

FOR SOLID WASTE DISPOSAL FACILITIES

Environmental Protection Division
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www.ocfl.net



GENERAL REQUIREMENTS:

Solid Waste Management Facilities in Orange County shall be permitted pursuant to Orange County Code Chapter 32, Article V, the "Solid Waste Management Ordinance." In accordance with Section 32-216, the applicant/operator shall estimate the total cost of closure and post-closure care of the solid waste management facility using a third-party. The written estimate shall be for the time period in the solid waste management facility operation when the extent and manner of its operation make closing most expensive. The applicant/permittee shall submit the written cost estimates, together with all necessary justifications, to the EPD Manager for review. Cost estimates should be revised at least annually and also whenever changes in design or operation would cause a revised cost estimate to exceed the amount available through the financial assurance mechanism.

Submit a complete closure cost estimate that meets the requirements of [Orange County Code](#) Chapter 32, Article V, and when applicable Rule 62-701.630 [Florida Administrative Code](#). This form does not supersede the requirements of Chapter 32 Article V.

INSTRUCTIONS:

Complete this form and include all additional information, drawings, and reports necessary to evaluate the facility cost estimate. Submittals must be signed and sealed by a professional registered (State of Florida) engineer, geologist or land surveyor, as appropriate. All entries must be legible by County staff by being type-written or printed in ink.

1. Facility:

Name: _____

Address/Location: _____

Parcel IDs: _____

Applicant/Operator: _____

EPD Permit #: _____ Expiration Date: _____

FDEP Permit #: _____ Expiration Date: _____

2. Total disposal unit acreage included in this estimate:

Closure: _____ acres Long-Term Care: _____ acres

3. Attach a site plan showing the size and location of area(s) already closed, area(s) to be impacted, any steeper than 5H:1V sloped areas, and other relevant features covered by this estimate.

A. ESTIMATED CLOSING COST - ORANGE COUNTY SUPPLEMENT

1. Provide supporting narrative, calculations, and quotes for each item as necessary.
2. Complete and attach [FDEP Form 62-701.900\(28\)](#), Section IV
 - a. Unit cost estimates, particularly for soils, will require supporting references or quotes, for use by the County.
 - b. If proposing to use onsite soils, sufficient soils with the required performance characteristics must be available, and must be committed to the County, by the owner, for use if necessary. See also FAC 62-701.630(3)(d).
 - c. Where slopes are steeper than 5H:1V, use 3-D surface area (rather than 2-D projection).
 - d. Item 4 "Top Soil Cover." If using onsite soils, include a cost for excavation and relocation onsite as "Delivery."
 - e. Item 6 "Stormwater Control System." Include a cost to place sod along the pond banks.
3. Complete all items in the table below, or explain where an item has already been included (e.g. FDEP Form Item 13 "Site Specific Costs").

Description	Unit	Number of Units	Cost / Unit	Cost
14. Miscellaneous				
Landscape Trees	EA			
Irrigation Supply & System	LS			
FDEP Closure Permit	LS	1.0		
			1.0	
			1.0	
		Subtotal Miscellaneous		
		Subtotal Orange County Supplement (Item 14)		
		From FDEP Form 62-701.900(28), Section IV. - Total Estimated Closing Cost		
		ESTIMATED ORANGE COUNTY TOTAL CLOSING COST		

B. ESTIMATED ANNUAL COST FOR LONG-TERM CARE – ORANGE COUNTY SUPPLEMENT

1. Provide supporting narrative, calculations, and quotes for each item as necessary.
2. Complete and attach [FDEP Form 62-701.900\(28\)](#), Section V.
 - a. Unit cost estimates, particularly for soils, will require supporting references or quotes, for use by the County.
 - b. If proposing to use onsite soils, sufficient soils with the required performance characteristics must be available, and must be committed to the County, by the owner, for use if necessary. See also FAC 62-701.630(3)(d).
 - c. Item 8 “Landscape Maintenance.” Include cover, pond banks, and landscaped setback areas, typically 4 times/year.
 - d. Item 10 “Erosion Control and Cover Maintenance.” Reviewers utilize the following simplification as an initial basis for evaluating reasonableness: 3% of cap areas with slopes steeper than 5H:1V; 0.5% of cap areas with slopes 5H:1V or flatter.
3. Complete all items in the table below, or explain where an item has already been included (e.g. FDEP Form Item 16 “Site Specific Costs”).

Description	Frequency (Events / Year)	Number of Wells	(Cost / Well) / Event	Annual Cost
17. Water Quality Monitoring				
Renewal (FL DWS, App II)	0.2			

Description	Unit	Number of Units	Cost / Unit	Annual Cost
18. Miscellaneous				
Landscape Tree Replacement	EA			
Topographical Survey	LS			
FDEP Long-Term Care Permit	LS	0.2		

Subtotal Miscellaneous		
Subtotal Orange County Supplement (Items 17-18)		
From FDEP Form 62-701.900(28), Section V. - Annual Long-Term Care Costs:		
ESTIMATED ORANGE COUNTY ANNUAL LONG-TERM CARE COST		
Number of Years of Long-Term Care Remaining	x	
ESTIMATED ORANGE COUNTY TOTAL LONG-TERM CARE COST		

4. Note: in accordance with 32-216(a)(32)d. sites that have ponds with side slopes steeper than 5H:1V must commit to maintain perpetual access control through fencing, or else include funds to flatten pond slopes, as a fixed cost at the end of long-term care.

C. 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 Article V Chapter 32 Orange County Code, 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 Division annually, revised or adjusted as required by Section 32-216 Orange County Code and Rule 62-701.630(4), F.A.C.

Signature

Mailing Address

Name and Title (please type)

City, State, Zip Code

Date

E-mail address (if available)

Florida Registration Number

Telephone Number

(please affix seal)

D. SIGNATURE BY OWNER/OPERATOR

Signature of Applicant or Agent

Mailing Address

Name and Title (please type)

City, State, Zip Code

E-mail address (if available)

Telephone Number

Date

E. REFERENCE PRICE LIST

Note:

1. Unit costs from a prior year should be inflation adjusted before use.

Current Third-Party Quotes

Orange County Term Contracts

<http://apps.ocfl.net/OrangeBids/Termcontracts/listtermcontract.asp>

e.g. Fill Dirt, Natural Sand, Mowing, etc.

FDOT Specifications and Estimates

Historical Item Average Costs Reports

<http://www.fdot.gov/programmanagement/estimates/historicalcostinformation/historicalcost.shtm>

Area 8 - including Orange County

Construction Cost Estimating Data

RS Means or similar

<https://www.rsmeans.com/>

CLOSURE COST ESTIMATING FORM FOR A SOLID WASTE MANAGEMENT FACILITY PERMIT

Attachment I
FDEP Form 62-701.900(28)
“CLOSURE COST ESTIMATING FORM FOR SOLID WASTE FACILITIES”

Available from the FDEP website at:

<http://www.dep.state.fl.us/>

<https://floridadep.gov/waste/content/forms-chapter-62-701-solid-waste-management-facilities>