

**ATTACHMENT II.4.D.1**  
**PHASE I CLOSURE/POST-CLOSURE**  
**COST ESTIMATE SUMMARY - 2022 Update**  
**OWL Landfill Services, LLC**

<b>TASK</b>	<b>COST ESTIMATE (2022 Update)</b>
<b>1.0 LANDFILL CLOSURE CONSTRUCTION</b>	<b>\$1,016,447</b>
<b>2.0 LANDFILL MAINTENANCE</b>	<b>\$412,494</b>
<b>3.0 ENVIRONMENTAL MONITORING</b>	<b>\$148,959</b>
<b>4.0 POND AND PROCESSING AREA CLOSURE (see Att. II.4.D.5)</b>	<b>\$494,953</b>
<b>5.0 POND AND PROCESSING AREA MAINTENANCE</b>	<b>\$31,360</b>
<b>TOTAL COST ESTIMATE</b>	<b>\$2,104,213</b>

**ATTACHMENT II.4.D.2**  
**PHASE I LANDFILL CLOSURE CONSTRUCTION**  
**CLOSURE COST ESTIMATE - 2022 Update**  
**OWL Landfill Services, LLC Landfill (Unit 1 - 34.8 acres ±)**

<b>TASK 1.0</b>	<b>Unit Quantity</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Total Cost</b>
<b>1.1 Final Cover Installation</b>				
1.1.1 Install and compact 12" Intermediate Cover Layer	56,088	CY	\$2.99	\$167,703
1.1.2 Install and compact 6" Barrier Layer	112,176	CY	\$4.10	\$459,920
1.1.3 Install 24" Vegetative Layer	56,088	CY	\$2.93	\$164,338
1.1.4 Vegetative Layer Seeding (Class A)	34.8	AC	\$1,747.40	\$60,810
<b>Task Subtotal</b>				<b>\$852,771</b>
<b>1.2 Final Cover CQA</b>				
1.2.1 Inspection and Testing	1	LS	\$59,393	\$59,393
1.2.2 Certification	1	LS	\$11,879	\$11,879
<b>Task Subtotal</b>				<b>\$71,272</b>
<b>TASK TOTALS</b>				<b>\$924,042</b>
<b>Independent Project Manager and Contract Administration Cost (10% of Task Totals)</b>				<b>\$92,404</b>
<b>TOTAL COST</b>				<b>\$1,016,447</b>

**Notes:**

- Phase I closure costs are based on contracting with a qualified third party to complete and certify closure. The activities included in this cost estimate are based on current dollars, previous experience with landfills located in arid climates, and current subcontractor costs.
- Final cover installation costs assume that:
  - ▶ The greatest area requiring final cover is 34.8 acres ± (Unit 1).
  - ▶ 12" of intermediate cover is already installed.
  - ▶ All soils necessary for closure are available on-site.
- CY = Cubic Yard  
AC = Acre  
LS = Lump Sum
- Due to the perimeter location there is no final cover "crown" and related geosynthetic layers in Unit 1.

**ATTACHMENT II.4.D.3**  
**PHASE I LANDFILL MAINTENANCE**  
**POST-CLOSURE COST ESTIMATE - 2022 Update**  
**OWL Landfill Services, LLC**

<b>TASK 2.0</b>	<b>Unit Quantity</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Total Cost Per Year</b>	<b>Total Cost For 30 Years</b>
<b>2.1 Final Cover Inspection and Reporting</b>					
2.1.1 Inspection	2	events/yr	\$1,188	\$2,376	\$71,273
2.1.2 Recordkeeping and Reporting	2	events/yr	\$475	\$950	\$28,510
<b>Task Subtotals</b>				<b>\$3,326</b>	<b>\$99,783</b>
<b>2.2 Final Cover Maintenance</b>					
2.2.1 Cover Maintenance	1	AC/yr	\$1,188	\$1,188	\$35,637
2.2.2 Vegetation	2	AC/yr	\$1,747	\$3,495	\$104,844
<b>Task Subtotals</b>				<b>\$4,683</b>	<b>\$140,481</b>
<b>2.3 Leachate System</b>					
2.3.1 Inspection/Repair	1	events/yr	\$475	\$475	\$14,255
2.3.2 Disposal	1	events/yr	\$1,165	\$1,165	\$34,948
<b>Task Subtotals</b>				<b>\$1,640</b>	<b>\$49,203</b>
<b>2.4 Surface Water Management Systems</b>					
2.4.1 Inspection/Repairs	2	events/yr	\$713	\$1,425	\$42,764
<b>Task Subtotals</b>				<b>\$1,425</b>	<b>\$42,764</b>
<b>2.5 Fencing</b>					
2.5.1 Inspection/Repairs	2	events/yr	\$713	\$1,425	\$42,764
<b>Task Subtotals</b>				<b>\$1,425</b>	<b>\$42,764</b>
<b>TASK TOTALS</b>				<b>\$12,500</b>	<b>\$374,994</b>
<b>Independent Project Manager and Contract Administration Cost (10% of Task Totals)</b>				<b>\$1,250</b>	<b>\$37,499</b>
<b>TOTAL COST</b>				<b>\$12,500</b>	<b>\$412,494</b>

**Notes:**

1. Phase I post-closure maintenance costs are based on contracting with a qualified third party to conduct post-closure car maintenance for the landfill. The activities included in this cost estimate are based on current dollars, previous experience with landfills located in arid climates, and current subcontractor costs.
2. AC = Acre  
LS = Lump Sum

**ATTACHMENT II.4.D.4**  
**PHASE I ENVIRONMENTAL MONITORING**  
**POST-CLOSURE COST ESTIMATE - 2022 Update**  
**OWL Landfill Services, LLC**

<b>TASK 3.0</b>	<b>Unit Quantity</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Total Cost Per Year</b>	<b>Total Cost</b>
<b>3.1 Vadose Zone Monitoring</b>					
3.1.1 Field Services/Lab Analysis/Reporting (30 years)	1	events/yr	\$2,732	\$2,732	\$81,963
<b>Task Subtotal</b>				<b>\$2,732</b>	<b>\$81,963</b>
<b>3.2 NPDES Monitoring</b>					
3.2.1 Field Services/Reporting (30 years)	1	events/yr	\$1,782	\$1,782	\$53,455
<b>Task Subtotal</b>				<b>\$1,782</b>	<b>\$53,455</b>
<b>TASK TOTALS</b>				<b>\$4,514</b>	<b>\$135,418</b>
<b>Independent Project Manager and Contract Administration Cost (10% of Task Totals)</b>				<b>\$451</b>	<b>\$13,542</b>
<b>TOTAL COST</b>				<b>\$4,965</b>	<b>\$148,959</b>

**Notes:**

- Phase I closure costs are based on contracting with a qualified third party to conduct post-closure monitoring for the landfill.  
The activities included in this cost estimate are based on current dollars, previous experience with landfills located in arid climates, and current subcontractor costs.
- Assume no water in vadose wells (i.e., sampling and analysis costs not included).

**ATTACHMENT II.4.D.5**  
**PHASE I POND AND PROCESSING AREA CLOSURE CONSTRUCTION**  
**CLOSURE COST ESTIMATE - 2022 Update**  
**OWL Landfill Services, LLC**

Task 4.0	Units	Unit Cost	Total (28 acres)	
			Quantity	Cost
<b>4.1 Evaporation Pond</b>				
<b>4.1.1 Liquids Transport/Disposal</b>				
4.1.1.1 Transport Liquid	bbl	\$2.10	240	\$ 504
4.1.1.2 Disposal Liquids	bbl	\$1.15	240	\$ 276
4.1.1.3 Remove/Transport Sludge	ton	\$7.75	4,840	\$ 37,510
4.1.1.4 Disposal Sludge	ton	\$17.84	4,840	\$ 86,346
4.1.1.5 Liner Removal/Transport	CY	\$4.77	200	\$ 954
4.1.1.6 Disposal Liner	CY	\$5.07	200	\$ 1,014
		<b>Task Subtotal</b>		<b>\$ 126,604</b>
<b>4.1.2 Pond Backfill and Contouring</b>				
4.1.2.1 Soil On-site	CY	\$1.23	0	\$ -
4.1.2.2 Place and Compact Soil	CY	\$3.58	15,000	\$ 53,700
		<b>Task Subtotal</b>		<b>\$ 53,700</b>
<b>4.1.3 Sampling</b>	each	\$238	300	\$ 71,280
<b>4.1.4 Seeding</b>	acres	\$1,782	28	\$ 49,891
		<b>Task Subtotal</b>		<b>\$ 121,171</b>
<b>Pond Closure Subtotal:</b>				<b>\$ 301,475</b>
<b>4.2 Site Work</b>				
<b>4.2.1 Tank Removal</b>	LS			\$ 29,697
<b>4.2.2 Building Removal</b>	LS			\$ 29,697
<b>4.2.3 Process Equipment Removal</b>	LS			\$ 29,697
<b>4.2.4 Earthwork</b>	LS			\$ 11,879
<b>Site Work Subtotal:</b>				<b>\$ 100,968</b>
<b>4.3 Engineering</b>				
<b>4.3.1 CQA/Certification</b>	LS			\$ 47,514
<b>Engineering Subtotal:</b>	LS			<b>\$ 47,514</b>
<b>4.4 Totals</b>				
<b>4.4.1 Subtotal</b>				\$ 449,957
<b>4.4.2 Adminstration Cost (10%)</b>				\$ 44,996
<b>Total:</b>				<b>\$ 494,953</b>

**Notes:**

1. Phase I closure costs are based on contracting with a qualified third party to complete and certify closure.
2. Assume 1,000 gallons of residual water in each pond transported up to 50 miles for disposal.
3. Assume 6" of sludge remaining in each pond at closure transported up to 50 miles for disposal.
4. Site Sampling is conducted during the CQA phase.
5. CY = Cubic Yard  
LS = Lump Sum

**ATTACHMENT II.4.D.6**  
**PHASE I POND AND PROCESSING AREA MAINTENANCE**  
**POST-CLOSURE COST ESTIMATE - 2022 Update**  
**OWL Landfill Services, LLC**

<b>TASK 5.0</b>	<b>Unit Quantity</b>	<b>Unit</b>	<b>Unit Cost</b>	<b>Total Cost Per Year</b>	<b>Total Cost For 3 Years</b>
<b>5.1 Surface Inspection and Reporting</b>					
5.1.1 Inspection	2	events/yr	\$1,188	\$2,376	\$7,127
5.1.2 Recordkeeping and Reporting	2	events/yr	\$475	\$950	\$2,851
<b>Task Subtotals</b>				<b>\$3,326</b>	<b>\$9,978</b>
<b>5.2 Surface Maintenance</b>					
5.2.1 Cover Maintenance	1	AC/yr	\$1,188	\$1,188	\$3,564
5.2.2 Vegetation	2	AC/yr	\$1,782	\$3,564	\$10,691
<b>Task Subtotals</b>				<b>\$4,752</b>	<b>\$14,255</b>
<b>5.3 Fencing</b>					
5.3.1 Inspection/Repairs	2	events/yr	\$713	\$1,425	\$4,276
<b>Task Subtotals</b>				<b>\$1,425</b>	<b>\$4,276</b>
<b>TASK TOTALS</b>				<b>\$9,503</b>	<b>\$28,509</b>
<b>Independent Project Manager and Contract Administration Cost (@ 10%)</b>				<b>\$950</b>	<b>\$2,851</b>
<b>TOTAL COST</b>				<b>\$9,503</b>	<b>\$31,360</b>

**Notes:**

1. Phase I post-closure maintenance costs are based on contracting with a qualified third party to conduct post-closure care/maintenance for the Processing Area. The activities included in this cost estimate are based on current dollars, previous experience with closures located in arid climates, and current subcontractor costs.
2. AC = Acre  
LS = Lump Sum

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 153230

**CONDITIONS**

Operator: OWL LANDFILL SERVICES, LLC 8214 Westchester Drive Dallas, TX 75225	OGRID: 371820
	Action Number: 153230
	Action Type: [C-137] Non-Fee SWMF Submittal (SWMF NON-FEE SUBMITTAL)

**CONDITIONS**

Created By	Condition	Condition Date
bjones	OCD accepts the updated closure and post-closure cost estimates for the financial assurance assessment for NM1-63. If you have any questions regarding this matter, please do not hesitate to contact me	11/2/2022