

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

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

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 ±)

TASK 1.0	Unit Quantity	Unit	Unit Cost	Total Cost
1.1 Final Cover Installation				
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
Task Subtotal				\$852,771
1.2 Final Cover CQA				
1.2.1 Inspection and Testing	1	LS	\$59,393	\$59,393
1.2.2 Certification	1	LS	\$11,879	\$11,879
Task Subtotal				\$71,272
TASK TOTALS				\$924,042
Independent Project Manager and Contract Administration Cost (10% of Task Totals)				\$92,404
TOTAL COST				\$1,016,447

Notes:

1. 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.
2. 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.
3. CY = Cubic Yard
AC = Acre
LS = Lump Sum
4. 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

TASK 2.0	Unit Quantity	Unit	Unit Cost	Total Cost Per Year	Total Cost For 30 Years
2.1 Final Cover Inspection and Reporting					
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
<i>Task Subtotals</i>				\$3,326	\$99,783
2.2 Final Cover Maintenance					
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
<i>Task Subtotals</i>				\$4,683	\$140,481
2.3 Leachate System					
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
<i>Task Subtotals</i>				\$1,640	\$49,203
2.4 Surface Water Management Systems					
2.4.1 Inspection/Repairs	2	events/yr	\$713	\$1,425	\$42,764
<i>Task Subtotals</i>				\$1,425	\$42,764
2.5 Fencing					
2.5.1 Inspection/Repairs	2	events/yr	\$713	\$1,425	\$42,764
<i>Task Subtotals</i>				\$1,425	\$42,764
TASK TOTALS				\$12,500	\$374,994
Independent Project Manager and Contract Administration Cost (10% of Task Totals)				\$1,250	\$37,499
TOTAL COST				\$12,500	\$412,494

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

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

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
4.1 Evaporation Pond				
4.1.1 Liquids Transport/Disposal				
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
			Task Subtotal	\$ 126,604
4.1.2 Pond Backfill and Contouring				
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
			Task Subtotal	\$ 53,700
4.1.3 Sampling	each	\$238	300	\$ 71,280
4.1.4 Seeding	acres	\$1,782	28	\$ 49,891
			Task Subtotal	\$ 121,171
			Pond Closure Subtotal:	\$ 301,475
4.2 Site Work				
4.2.1 Tank Removal	LS			\$ 29,697
4.2.2 Building Removal	LS			\$ 29,697
4.2.3 Process Equipment Removal	LS			\$ 29,697
4.2.4 Earthwork	LS			\$ 11,879
			Site Work Subtotal:	\$ 100,968
4.3 Engineering				
4.3.1 CQA/Certification	LS			\$ 47,514
			Engineering Subtotal:	\$ 47,514
4.4 Totals				
4.4.1 Subtotal				\$ 449,957
4.4.2 Administration Cost (10%)				\$ 44,996
			Total:	\$ 494,953

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

TASK 5.0	Unit Quantity	Unit	Unit Cost	Total Cost Per Year	Total Cost For 3 Years
5.1 Surface Inspection and Reporting					
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
<i>Task Subtotals</i>				\$3,326	\$9,978
5.2 Surface Maintenance					
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
<i>Task Subtotals</i>				\$4,752	\$14,255
5.3 Fencing					
5.3.1 Inspection/Repairs	2	events/yr	\$713	\$1,425	\$4,276
<i>Task Subtotals</i>				\$1,425	\$4,276
TASK TOTALS				\$9,503	\$28,509
Independent Project Manager and Contract Administration Cost (@ 10%)				\$950	\$2,851
TOTAL COST				\$9,503	\$31,360

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

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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