



DEPT. OF ENVIRONMENT AND ENERGY

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Cost Estimate Guidance for Construction and Demolition Landfills

Cost estimates should be broken down into activities and the costs based on those activities. This is an example of a "detailed cost estimate" consisting of a breakdown of activities into categories, tasks, and unit costs. Please use this as a guideline. Closure costs are usually presented in terms of the largest area ever open based on the number of acres or if the landfill is being constructed in phases, the closure costs for each phase should be presented. Post-closure costs are usually presented as an annual cost for post-closure care of the entire facility, then multiplied by the number of years in the post-closure period.

Closure Cost Estimate

1. Final Cover
 - a) Labor (labor category, unit cost, hours)
 - b) Materials (unit cost)
 - c) Equipment (equipment category, unit cost, hours)
2. Final Grading
3. Surface Water Control Structures
 - a) Labor (labor category, unit cost, hours)
 - b) Materials (unit cost)
 - c) Equipment (equipment category, unit cost, hours)
4. Seeding, Mulching, Fertilizing
 - a) Labor (labor category, unit cost, hours)
 - b) Materials (seed unit cost, fertilizer, mulch)
 - c) Equipment (equipment category, unit cost, hours)
5. Project and Construction Management, (QA/QC)
 - a) Engineering (labor category, unit cost, hours)(5% to 15% of total cost)
6. Legal and Administrative (labor category, unit cost, hours)(5% of total cost)
7. Other Direct Costs (1% of total cost)
8. Overhead and Profit
9. Contingencies (10%)
10. Miscellaneous Costs/Other Categories

Post-Closure Cost Estimate

1. Site Inspections
 - A. Labor (labor category, unit costs, hours)
2. Site Maintenance
 - A. Final Cover Repair (Add 1 ft. of cover over 5% of area/yr.).
 - a) Labor (labor category, unit cost, hours)
 - b) Materials (unit cost, transportation)
 - c) Equipment (equipment category, unit cost, hours)
 - B. Seeding Repair (10% of landfill/yr.).
 - a) Labor (labor category, unit cost, hours)
 - b) Materials (unit cost)
 - c) Equipment (equipment category, unit cost, hours)
 - C. Mowing
 - a) Labor (labor category, unit cost, hours)
 - b) Equipment (equipment category, unit cost, hours)
 - D. Rodent, Weed & Tree Control
 - a) Labor (labor category, unit cost, hours)
 - b) Materials (unit cost)
 - c) Equipment (equipment category, unit cost, hours)
 - E. Maintenance, Repair or Replacement of Fence and Gate.
 - a) Labor (labor category, unit cost, hours)
 - b) Materials (unit cost)
 - F. Surface Water Control Structure Maintenance
 - a) Labor (labor category, unit cost, hours)
 - b) Equipment (equipment category, unit cost, hours)
3. Record Keeping and Administration (labor category, unit cost, hours)
4. Other Direct Costs (mobilization, computer, graphic supplies, reproduction, per diem, lodging)
5. Overhead and Profit
6. Contingencies (10% of annual total)
7. Miscellaneous costs/Other category