

MEMORANDUM

To: SFSWMA Joint Powers Board Members
From: Randall Kippenbrock, P.E., Executive Director RLK
Date: August 10, 2014
Subject: Request for Approval of Closure and Post-Closure Cost Estimates for the Buckman Road Recycling and Transfer Station.

BACKGROUND:

At the September 19, 2013 meeting, the Board approved the closure and post-closure cost estimates for the Buckman Road Recycling and Transfer Station (BuRRT) at \$151,104 as of June 30, 2013. The cost estimates were updated to reflect the additional activities and existing site conditions at the BuRRT Facility. These costs were published in an September 16, 2013 report prepared by Randall Kippenbrock, P.E.

On August 10, 2014, the closure cost estimate was updated using the June 30, 2013 estimates and adjusting for a 1.4% inflation (CPI) for Calendar Year 2013. The closure estimate is \$153,117 as of June 30, 2014. A cost estimate for post-closure care is not expected for the BuRRT facility pursuant to 20.9.10.9 (B) NMAC. No other conditions/factors were changed.

These estimates may be reflected by the auditors in the closure and post-closure cost section for the FY 2014 annual financial statement.

REQUEST:

The Agency is requesting the Board approve the updated cost estimates for closure and post-closure for the BuRRT facility published in the report dated August 10, 2014.

Attachment: June 30, 2014 Closure/Post-Closure Cost Estimates

ATTACHMENT

Closure/Post-Closure Cost Estimates
as of June 30, 2014
for the
Buckman Road Recycling and Transfer Station

**Closure / Post Closure Cost Estimates
for June 30, 2014**

**Buckman Road Recycling and Transfer Station
SWB Permit No. SW 95-10(P)
2600 Buckman Road
Santa Fe, New Mexico 87507**

prepared for:

**Santa Fe Solid Waste Management Agency
149 Wildlife Way
Santa Fe, NM 87506**

prepared by:

**Randall Kippenbrock, P.E.
Santa Fe Solid Waste Management Agency
149 Wildlife Way
Santa Fe, NM 87506**

August 10, 2014



*Randall Kippenbrock
8/10/14*

**Closure / Post-Closure
Cost Estimates
for
June 30, 2014**

**Santa Fe Solid Waste Management Agency
Buckman Road Recycling and Transfer Station**

The following describes the cost estimates for closure and post-closure for the Buckman Road Recycling and Transfer Station (BuRRT) pursuant to 20.9.10 New Mexico Administrative Code.

The closure cost estimate requires a detailed written estimate, in current dollars, showing the cost of closure and nuisance abatement to be performed in accordance with the applicable portions of 20.9.6.12 NMAC pursuant to 20.9.10.9 (A)(2) NMAC. The cost estimate includes the following applicable portions:

- the cost of hiring a third party to clean up and dispose of the largest inventory of all materials and end products expected to be on hand at the transfer station;
- the cost of hiring a third party to clean up and dispose of all fugitive trash, solid waste, or other materials that could potentially create a nuisance at the transfer station; and
- the costs of an independent project manager and contract administrator.

The post closure cost estimate is not expected for this report pursuant to 20.9.10.9 (B) NMAC. Post closure inspection and maintenance may be waived upon written approval from the NMED, if the the owner or operator demonstrates to the NMED that all requirements of closure have been met and there is no evidence of contamination.

The unit costs are not site specific and do not reflect the breakdown of labor, equipment, material, etc. However; the unit costs are within the range commonly found in cost estimating references (e.g., R.S. Means, US Environmental Protection Agency, and cost estimates from consultants /contractors).

The closure cost estimate is based on the following conditions and assumed quantities:

1. Current site conditions.
2. Assumes that the post closure use of the site will be a maintenance facility.
3. Four transfer trailer loads of solid waste will be disposed of at a landfill.
4. Three trailer loads of scrap tires will be hauled to a registered tire processing facility.
5. A quantity of 3,080 gallons (24,640 pounds) of household hazard waste (HHW) will be transported to permitted treatment/storage/disposal or recycling facilities (this is based on the storage capacity of the HHW collection facility).

6. Approximately 7,500 cubic yards of green waste will be mulched on site and be available to the public at no charge (a weight conversion of 350 pounds per cubic yard is assumed).
7. Approximately 1,000 cubic yards of glass cullet will be transported to an approved site.
8. Cleanup of the buildings to include the main transfer station, the administration office, the HHW collection facility, and the scale house.
9. General site cleanup including litter abatement along the perimeter roads.
10. Approximately 150 tons of recyclable materials will be transported to a recycling facility (this is based on one week of deliveries to the transfer station).
11. Approximately 50 tons of glass will be disposed of at a landfill.
12. Contract administration for the sale of MRF sorting and bale equipment, rolling stocks, and miscellaneous removal (e.g., tarping station, scales).
13. The annual adjustment inflation for Year 2013 is 1.4%, which is based from the U.S. Department of Labor - Bureau of labor Statistics Data.

Closure Cost Estimate⁽¹⁾
Buckman Road Recycling and Transfer Station
June 30, 2014

| COST ITEM | UNIT | COST | QUANTITY | TOTAL COST |
|---|----------------|----------|----------|------------------|
| Closure Plan | Lump Sum | \$2,581 | 1 | \$2,581 |
| Solid Waste - Handling, Transportation, Disposal | Per Load | \$2,065 | 4 | \$8,260 |
| Scrap Tires - Handling, Transportation, Processing | Per Load | \$2,065 | 3 | \$6,195 |
| HHW - Handling , Transportation, Disposal, Processing | Per Pound | \$1.65 | 24,640 | \$40,656 |
| Green Waste - On-Site Mulching | Per Cubic Yard | \$4.13 | 7,500 | \$30,975 |
| Glass Cullet - Transportation | Per Cubic Yard | \$5.16 | 1,000 | \$5,160 |
| Conventional Recyclables - Transportation, Processing | Per Ton | \$20.65 | 150 | \$3,098 |
| Whole Glass - Transportation, Disposal | Per Ton | \$50.61 | 50 | \$2,531 |
| Building Cleanup | Lump Sum | \$25,806 | 1 | \$25,806 |
| General Site Cleanup | Lump Sum | \$2,065 | 1 | \$2,065 |
| Closure Inspection / Report | Lump Sum | \$1,548 | 1 | \$1,548 |
| Contract Administration, Bidding and Award | Lump Sum | \$10,323 | 1 | \$10,323 |
| SUBTOTAL | | | | \$139,197 |
| 10% CONTINGENCY | | | | \$13,920 |
| TOTAL CLOSURE COST | | | | \$153,117 |

1. Total costs rounded to the nearest dollar. CPI for Year 2013 is 1.4%.

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Cost Estimates
for
June 30, 2014**

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