RICHARDSON SMITH GARDNER
ENGINEERING & GEOLOGICAL

DATE: 01-May-12
BY: TBM

Financial Assurance
Burnt Poplar Transfer Station (NC SW Permit No. 41-22T)
Guilford County, North Carolina
Engineer's Remedial Cost Estimate

Item No.	Item Description	Unit	Contractor Quantity	Contractor Unit Price	Contractor Total Price	Comments
	Facility Area (Horizontal Plan) ---->	**AC**	**10**			
1.0	**Pre-Remedial Response**			**Subtotal**	**$5,000.00**	
1.1	Coordination, Contracts, and Management	AC	10	$500.00	$5,000.00	RSGA Estimate
2.0	**Remedial Response Activities**				**$49,230.00**	Ref. 1
2.1	Surveys and Layout	AC	10	$250.00	$2,500.00	RSGA Estimate
2.2	Mobilization, Demobilization, and Project Closeout	AC	10	$500.00	$5,000.00	RSGA Estimate
2.3	Wash Down & Cleanup of the Transfer Station	DY	2	$1,000.00	$2,000.00	Assume single work crew per day.
2.4	Fencing & Concrete Barrier Protection	LF	50	$15.00	$750.00	Assume close transfer station and place concrete barriers across wall.
2.5	Excess Material Disposal	TN	1,294	$20.00	$25,880.00	Assume 5 day's material at 250 TPD (plus 44 TN recyclables) with disposal at High Point C&D Landfill.
2.6	Loading	HR	16	$100.00	$1,600.00	Assume approximately 1 ton per minute.
2.7	Hauling	EA	50	$150.00	$7,500.00	Assume 20 tons per load.
2.8	Erosion & Sediment Control (grading, silt fence, maintenance, etc.)	AC	2	$500.00	$1,000.00	RSGA Estimate
2.9	Revegetation	AC	2	$1,500.00	$3,000.00	RSGA Estimate
3.0	**Quality Assurance, Certification, & Deed Notation**				**$3,000.00**	
3.1	Engineering and Reporting	LS	1	$2,500.00	$2,500.00	RSGA Estimate
3.2	Surveying and Deed Notation	LS	1	$500.00	$500.00	RSGA Estimate
	Remedial Response Estimate ---->				**$57,230**	

$57,230 (2012$) (See Notes 1 and 2)

Notes:

1. All costs are presented in current dollars and should be increased at an inflation rate of 1.5% if additional review is not performed annually.
2. This ESTIMATE has been prepared for financial assurance purposes only and shall not be considered a replacement for an actual bid from a licensed contractor. However, it is considered acceptable within a +/- 20% of the Total Estimate value.

References:

1. February 20, 2009 permit to construct and operate. [The permit does not include a limit on throughput. Storage of recyclable materials is limited to 300 CY.]
2. August 25, 2008 Updated Facility Operations Plan, Section 3.10 (Financial Assurance), prepared by David Garrett, PE.

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