Clayton Engineering
Civil & Environmental

October 28, 2010

Scanned by	Date	Doc ID #
Zenith Baker	11/24/10	12294

Mr. Donald Herndon
Solid Waste Section
DENR - Division of Waste Management
1646 Mail Service Center
Raleigh, NC 27699-1646

RE: Request for Cost Revision and Submittal Extension
2010 Fiscal Year Government Financial Assurance Test
Harnett County Landfills, Permit #43-02 and 43-03, Harnett County
(via email)

Dear Mr. Herndon,

As we recently discussed via telephone and email, Harnett County has installed a portion of the approved Corrective Action Plan at the Dunn-Erwin Facility (Permit #43-02). Due to this, the County is requesting the associated cost be decreased to account for the portion of the system that has been completed (Phytoremediation Phase 1).

Requested Revision to Corrective Action Cost

Below is a summary of the current costs to be covered by the Financial Assurance Test. Attached is a detailed breakdown of the original Corrective Action Cost for Permit #43-02, the cost associated with the completed portion and an updated cost for the remainder of the system to be constructed.

Harnett County Landfill Permit #43-02 (Dunn-Erwin Facility)		**Harnett County Landfill Permit #43-03** (Anderson Creek Facility)	
Closure Costs	$310,650	Closure Costs	$377,500
Post Closure Costs	$1,065,000	Post Closure Costs	$330,000
Corrective Action	$4,700,760*	Corrective Action	$0
Potential Assessment and Corrective Action	$3,000,000	Potential Assessment and Corrective Action	$3,000,000
Total	**$9,076,410**	**Total**	**$3,707,500**

** See the attached detailed Cost Spreadsheet*

Request for Extension to submit the required Financial Assurance Documentation

The County plans to submit the financial assurance documentation however there has been a ***delay and an extension is requested***. The County has switched accounting firms that complete their audit and due to this, the County audit is delayed and will not be completed before October 29, 2010. The County wishes to request an extension for Financial Assurance until the County audit & AFIR document has been completed and the County receives notice if

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the revised cost estimate described above is acceptable to the Solid Waste Section. We are told the AFIR will be completed by the end of November, 2010.

Please do not hesitate to contact me or Jerry Blanchard (910-893-7536)

Sincerely,

C. Tyrus Clayton, Jr., PE
Vice President

cc: Jerry Blanchard, Harnett County Solid Waste (via email)
Amanda Bader, Harnett County (via email)

enclosure

DELF CORRECTIVE ACTION PLAN COST OPINION

Groundwater Extraction Trench

Item	Original Cost Estimate	Work Completed 2009/2010	Revised Cost Estimate
Mobilization / Demobilization	$21,582	$0	$21,582
57 Drainage Stone for collection trench	$221,000	$0	$221,000
Groundwater Extraction Pump Station	$48,000	$0	$48,000
Groundwater Extraction Header 4"	$19,200	$0	$19,200
Groundwater Extraction PVC Force Main 4"	$18,000	$0	$18,000
Extraction Wells	$16,000	$0	$16,000
Misc. Piping & Valves	$10,000	$0	$10,000
Electrical Supply to Wetwell	$3,000	$0	$3,000
Asphalt Repair	$5,625	$0	$5,625
Concrete Repair	$1,875	$0	$1,875
Fencing Repair	$2,000	$0	$2,000
Erosion Control - Seeding & Mulching	$5,000	$0	$5,000
Misc. Site Work	$10,000	$0	$10,000

Leachate Management System

Item	Original Cost Estimate	Work Completed 2009/2010	Revised Cost Estimate
Mobilization / Demobilization	$19,948	$0	$19,948
Gravel Bed & Drain System	$20,000	$0	$20,000
Electrical Service to Pumps & Pump Station	$6,000	$0	$6,000
4" PVC Leachate Transfer Line	$7,000	$0	$7,000
4hp Grinder Pump Station w/Controls & Generator	$115,000	$0	$115,000
4" PVC Force Main to NC 55	$133,980	$0	$133,980
6" HDPE Stream Crossing	$37,500	$0	$37,500
Air Release Valve & Manhole	$4,500	$0	$4,500
Erosion Control - Seeding & Mulching	$1,500	$0	$1,500
Misc. Site Work	$7,000	$0	$7,000

Phytoremediation (Stage 1 & Stage 2)

Item	Original Cost Estimate	Work Completed 2009/2010	Revised Cost Estimate
Mobilization / Demobilization	$72,411	$0	$72,411
Grading - 129,000 CY CUT	$1,032,000	$516,000	$516,000
Site Preparation - Tilling / Amendments	$17,850	$8,925	$8,925
Hybrid Poplar Plantings	$66,000	$18,000	$48,000
Irrigation System	$25,000	$0	$25,000
Erosion Control - Seeding & Mulching	$15,000	$7,500	$7,500

Monitoring Point Installation

Item	Original Cost Estimate	Work Completed 2009/2010 2010	Revised Cost Estimate
Monitoring Wells with Protective Case	$9,350	$5,100	$4,250
Piezometer	$7,150	$3,900	$3,250
Subtotal	**$1,978,471**	**$559,425**	**$1,419,046**
Permitting, Surveying, Administration, Contingency, Easements and Engineering (30%)	**$593,541**		**$425,714**
TOTAL	**$2,572,012**		**$1,844,760**

Environmental / CAP Reporting

Bi-Annual Sampling of MWs	$32,000
Bi-Annual Sampling Report	$30,000
ANNUAL TOTAL	**$62,000**
30 YR MONITORING COST (2010 Dollars)	**$1,860,000**

Operations and Maintenance

Item	Cost
Monthly Groundwater Extraction System O&M	$12,000
Monthly Leachate Management System O&M	$9,600
Monthly Phytoremediation System O&M	$12,000
Pump/Piping Replacement	$5,000
Tree Replacement	$1,000
Annual Electrical Costs	$60,000
ANNUAL TOTAL	**$99,600**
10 YR O&M COST (2009 Dollars)	**$996,000**

	Original Cost Estimate	Revised Cost Estimate
Total 30-year CAP cost	**$5,428,012**	**$4,700,760**