



HAYWOOD COUNTY BOARD OF COMMISSIONERS

AGENDA REQUEST

***Must be presented to the County Manager's Office
NO LATER THAN 5 P.M. FRIDAY THE WEEK BEFORE THE MEETING***

DATE OF REQUEST: July 8, 2015

FROM: DBF

MEETING DATE REQUESTED: July 20, 2015

*Regular meetings: First (1st) Monday of the month at 9:00 am
Third (3rd) Monday of the month at 5:30 pm*

SUBJECT: McGill Engineering Contracts for 2015 - 2016

REQUEST: Haywood County Solid Waste is seeking approval of three contracts for McGill for ongoing services at the Francis Farm Landfill (FFLF) and White Oak Landfill:

Contract for Technical Guidance	\$25,000.00
Contract for Permit Boundary Modification	30,000.00
Contract for White Oak Landfill Capacity Study	14,300.00

BACKGROUND: McGill Engineering has been one of engineering partners the County has used at FFLF and White Oak Landfill. McGill Engineering assisted Haywood County on methane gas monitoring issues and was designed the gas collection flare and generator

IMPLEMENTATION PLAN: Solid Waste Administrator will oversee contracts and continued project at FFLF.

FINANCIAL IMPACT STATEMENT: The costs of the contracts were included in the 2015-2016 budgets.

SUPPORTING ATTACHMENTS: YES NO HOW MANY? 14

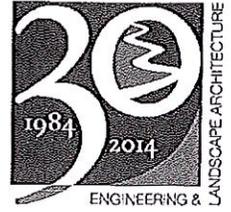
LIST: _____

PowerPoint Presentation: YES NO

PERSON MAKING PRESENTATION AT MEETING: David B Francis
TITLE: Solid Waste Administrator
PHONE NUMBER: 356-2602
E-MAIL: dbfrancis@haywoodnc.net



April 21, 2015



Mr. David B. Francis
Solid Waste and Tax Administrator
Office of County Manager
Haywood County
215 North Main Street
Waynesville, North Carolina 28746

RE: Technical Guidance and/or Operational
Assistance for Ongoing Solid Waste
Operations
Haywood County, North Carolina

Dear Mr. Francis:

McGill Associates is pleased to submit our proposal to provide technical guidance and/or operational assistance to Haywood County relative to the ongoing solid waste operations. The specific scope of services is detailed below:

SCOPE OF SERVICES

Technical Guidance and/or Operational Assistance for Ongoing Solid Waste Operations

1. Meet with County staff on an as needed basis to discuss ongoing solid waste operations in the County.
2. Prepare conceptual layouts of proposed improvements at the Mauney Cove Road Convenience Center. Once a conceptual layout is selected, a proposal for design services can be prepared.
3. Assist the County with evaluation of the ongoing operation contract at the White Oak MSW Landfill.
4. Assist the County with addressing applicable compliance issues relative to groundwater and gas assessments.
5. Provide engineering support and guidance for troubleshooting the operation of the skid-mounted blower flare system and engine generator system at the Francis Farm Landfill.
6. Periodically review the landfill gas monitoring well data to determine how the gas collection system is affecting the elevated methane levels in the landfill gas monitoring wells at the Francis Farm Landfill.
7. Periodically review the operation of the skid-mounted landfill gas flare system and engine generator system to assist in maximizing the operating efficiency of the systems at the Francis Farm Landfill.

8. Provide recommendations for extraction well field adjustments to maximize the efficiency of the landfill gas collection system at the Francis Farm Landfill.
9. Review quarterly gas monitoring data and submit results to the North Carolina Department of Environment and Natural Resources (NCDENR), Solid Waste Section (SWS) following the semi-annual monitoring events at the Francis Farm Landfill.
10. Assist the County with evaluation of adjacent properties relative to the impact to these properties and/or the consideration of acquiring any surrounding properties at the Francis Farm Landfill.

PROPOSED FEES

Based on the above proposed scope of services, we propose to perform the above services on an hourly basis, for a maximum not to exceed fee of **\$25,000**. Invoices will be submitted monthly based on the actual time spent and will be calculated in accordance with the attached Basic Fee Schedule.

ASSUMPTIONS

We have based our proposal on the following assumptions:

1. The preparation of an Assessment of Corrective Measures (ACM) is not included within the scope of this proposal. A separate proposal will be submitted for your consideration to perform the required work for the ACM.
2. Haywood County will be responsible for all operational, maintenance and repair costs for the landfill gas collection and combustion system and the engine generator operation not covered under existing warranties.
3. Haywood County will be responsible for all operational, maintenance and repair costs associated with the post-closure care of the Francis Farm Landfill facility.
4. This proposal is to cover general consultation, meetings, technical guidance, and assist the County with routine compliance. We will develop a separate scope and proposed fee for any specific projects that are identified as necessary via consultation with the County and the Solid Waste Section as being necessary to maintain compliance for the facility.

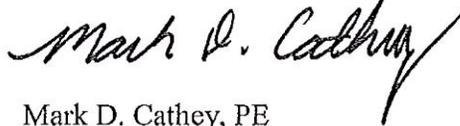
Mr. Francis, we appreciate the opportunity to present this proposal to Haywood County for continuing to assist with operations and compliance for the Francis Farm Landfill. We look forward to working with you and your staff on this important project for Haywood County. If the above is acceptable to you, please provide the appropriate signature below and return one (1) copy for our records.

Mr. David Francis
April 21, 2015
Page 3 of 3

Should you have any questions or need additional information, please do not hesitate to give us a call at (828) 252-0575.

Sincerely,

McGILL ASSOCIATES, P.A.



Mark D. Cathey, PE
Senior Project Manager

cc: Mr. Ira Dove, County Manager, Haywood County
Mr. Keith Webb, PE, McGill Associates

ACCEPTED:

NAME

TITLE

DATE



April 30, 2015



Mr. David B. Francis
Solid Waste and Tax Administrator
Office of County Manager
Haywood County
215 North Main Street
Waynesville, North Carolina 28746

RE: Solid Waste Engineering Services
Permit Modification - Part 1
Francis Farm Landfill, Permit #44-03
Haywood County, North Carolina

Dear Mr. Francis,

McGill Associates is please to submit our proposal for providing Engineering Services to Haywood County associated with preparation of a Permit Modification - Part 1 for the Francis Farm Landfill, Permit #44-03. As we discussed in our meeting with Haywood County and Andrea Keller on March 10, 2015, the corrective action measures associated with the on-going Assessment of Corrective Measures (ACM) study is proposed to take place in two parts. Part 1 will include a revision to the facility boundary to include newly acquired properties, updating the existing environmental monitoring plan, updates to the existing Facility Plan and Closure/ Post-Closure Care Plan, and relocation of a portion of the existing groundwater and landfill gas monitoring wells. We understand that Haywood County has contracted with Bunnell-Lammons Engineering, Inc. (BLE) to prepare the updated environmental monitoring plans. This work is proposed to take place during the first two quarters of FY 2016.

Part 2 will involve the final implementation of the ACM Study and include permitting for the placement of the landfill cap and the placement of new access road to serve the bus maintenance garage. The permitting for Part 2 is proposed to take place during the first 3 quarters of FY 2017.

The specific tasks in our proposed scope of services for the Permit Modification – Part 1 are described below:

Scope of Services

1. Meet with County staff to discuss overall Permit Modification Part 1 to identify permit requirements, role of team members, and define schedule for completion of the Report.
2. Based on the details of the Assessment of Corrective Measures Study, define the final parameters of the Permit Modification - Part 1.

3. Conduct field survey and prepare updated facility boundary incorporating existing property plats of recently acquired adjacent properties. Our fee is based on the existing boundary surveys for the new properties being provided to McGill Associates.
4. Prepare an updated Facility Plan incorporating the recently acquired adjacent properties and illustrating newly defined facility boundary for the Francis Farm Landfill.
5. Prepare an updated Closure Plan/ Post-Closure Plan to include proposed modifications to the environmental monitoring plans. BLE is preparing updated Water Quality Monitoring Plan and Landfill Gas Monitoring Plan.
6. Conduct field survey to locate any new environmental monitoring wells and provide information to BLE for inclusion into their plans.
7. Meet with County to discuss draft permit submittal.
8. Submit Permit Modification package to the North Carolina Department of Environment and Natural Resources (NCDENR), Solid Waste Section and address any comments from the agency.

We propose to provide these tasks for the following Lump Sum Fee:

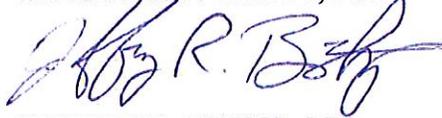
Field Survey and Updated Facility Boundary Map	\$10,000.00
Permit Modification – Part 1	\$20,000.00

Mr. David Francis
April 30, 2015
Page 3 of 3

Mr. Francis, thank you for the opportunity to continue our relationship with Haywood County. We look forward to working with you and your staff to assist the County in reaching your goals for the solid waste program. If this proposal is acceptable to you, please sign below and return one (1) copy of the proposal to our office.

Please call at (828) 252-0575 should you have any questions or need additional information.

Sincerely,
McGILL ASSOCIATES, P.A.



JEFFREY R. BISHOP, PE
Senior Project Manager

cc: Mr. Ira Dove, County Manager, Haywood County
Mr. Keith Webb, PE, McGill Associates

ACCEPTED:

NAME

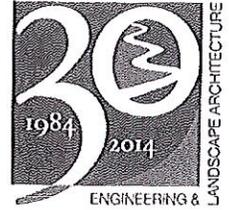
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X:\14.00707\letters\30apr15 Permit Modification - Part 1.doc



April 21, 2015



Mr. David B. Francis
Solid Waste and Tax Administrator
Office of County Manager
Haywood County
215 North Main Street
Waynesville, North Carolina 28746

RE: White Oak MSW Landfill
2015 Remaining Capacity Analysis
Haywood County, North Carolina

Dear Mr. Francis:

We are pleased to present this proposal to you for providing an updated topographic survey and an evaluation of the remaining capacity for the White Oak MSW Landfill. We understand that Haywood County would like to have an independent verification of the waste capacity used and the remaining capacity since operations were assumed by Santek Environmental. The proposed mapping area will include all of the currently permitted waste area and the two (2) soil stockpile areas west of the waste fill (total area of approximately 55 acres).

We propose the following scope of services:

1. Conduct topographic survey of current waste disposal area and soil stockpile areas of approximately 55 acres.
2. Incorporate the new survey into the last available historical topographic survey (approximately 2011) prior to Santek Environmental assuming operational responsibility.
3. Compare the historical survey to the new topographic survey to calculate the volume of airspace used for disposal during Santek Environmental's operational period.
4. Utilizing the scale records provided by Santek Environmental and the volume of airspace used, calculate an in-place waste density.
5. Calculate remaining volume of airspace available between the new topographic survey grades to the permitted final grades.
6. Calculate remaining life of the currently constructed landfill, utilizing the in-place waste density, currently projected waste stream, and remaining airspace.
7. Calculate the remaining life of the future phases of the landfill, utilizing the in-place waste density, currently projected waste stream, and remaining airspace for waste areas that have not been constructed.

8. Calculate the remaining life of the future phases of the landfill, utilizing the in-place waste density, **Haywood County only** projected waste, and remaining airspace for waste areas that have not been constructed.
9. Prepare a letter report to the County that summarizes the above information.
10. Attend meeting with County to discuss letter report.

We propose a lump sum fee of \$14,300 for the scope of work described above.

Mr. Francis, we appreciate the opportunity to continue our relationship with Haywood County and look forward to assisting you with this project. If this proposal is acceptable, please sign in the space provided below and return a copy for our files. Please call should you have any questions or need additional information.

Sincerely,
McGILL ASSOCIATES, P.A.



MARK D. CATHEY, PE
Senior Project Manager

ACCEPTANCE:

Name

Title

Date