



North Carolina Department of Environment and Natural Resources

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Division of Waste Management
Easley, Governor

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Document ID No. RCO3487

SOLID WASTE SECTION

December 6, 2007

Mr. Mike Gladden
Public Works Director
McDowell County
60 East Court Street
Marion, North Carolina 28752

Subject: Installation of Methane
Extraction Wells
Approval Letter
McDowell County -MSWLF
Permit No. 56-01
Doc Id NO: RCO3487

Dear Mr. Gladden:

On November 27, 2007 the Division of Waste Management, Solid Waste Section received the documentation necessary for the approval to install three (3) methane extraction wells at the McDowell County, Municipal Solid Waste Landfill (MSWLF) Permit No. 56-01. The Investigation is to be accomplished in accordance with the submitted document, entitled;

Methane Investigation, Former McDowell County Landfill, SWS Permit #56-01, Shield Project No. 1070249-01. Prepared for: McDowell County. Prepared by: Shield Engineering Inc. November 20, 2007. Document ID No. **RCO3488**.

The purpose for the installation of the three (3) methane extraction wells, as stated in document provided to the Division by Shield Engineering, Appalachian State University's subcontractor and with approval by the County; is "to conduct a methane extraction test in order to assess the potential sustainable methane gas production rate from the former McDowell County Landfill."

Approval of the Investigation is contingent on:

- All work being done in accordance with the submitted documents.
- The submission to the Division of the test results.

Please, understand that this approval for the installation of wells does not constitute approval for the construction of a landfill gas collection system. Prior to construction of any such system at the Landfill, the County (owner) must submit a complete application for a modification to the approved closure plan for a permit to construct the gas extraction system, and pay the appropriate permit modification fee. If you should have any questions regarding this matter please contact me at (828) 296-4704.

Sincerely,

Edward F. Mussler, III, P.E.,
Permitting Branch Supervisor
Permitting Branch
Solid Waste Section

cc: David Wallace – Shield Engineering, Inc., 4301 Taggart Creek Road, Charlotte, NC 28208
Deb Aja – SWS/ARO
Bill Wagner – SWS/ARO