



North Carolina Department of Environment and Natural Resources
Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

Solid Waste Section

September 09, 2011

Mr. Andy Davis
Solid Waste Director
P.O. Box 1728
Wilson, North Carolina 27894

Re: Authorization for Installing and Operating a Dewatering Maintenance Project
Landfill Gas Collection and Control System (LFGCCs)
Wilson County Municipal Solid Waste Landfill (MSWLF), Wilson County, North Carolina
Permit No. 98-01, Document ID No. (Doc ID) 15105

Dear Mr. Davis:

On September 6, 2011, the Division of Waste Management (DWM), Solid Waste Section has received the following submittal:

- *Dewatering Maintenance Operation*. Prepared by MP Wilson, LLC and dated September 6, 2011 (Doc ID 15082).

MP Wilson, LLC on your behalf prepares this proposal and requests DWM's approval to conduct the following activities to augment the gas flow capacity into the existing gas wells located in the closed Wilson County MSWLF:

- Installing four (4) pneumatic pumps – each will be placed into one of the four gas wells GW-8, GW-9, GW-31 & GW-32;
- Constructing trenches in the vegetative layer, the uppermost component of the final cover system of the closed MSWLF to house the additional piping including condensate force-mains and air supply lines and related appurtenances;
- Connecting the piping, sumps, and pumps to a new compressor to remove excessive liquid inside the wells; and
- Temporarily storing the extracted liquid into a 9,500-gallon above ground storage tank (AST) equipped with a secondary containment system which will be located at the existing flare station.

The Solid Waste Section has completed a review of this proposal and hereby grants Wilson County an approval for constructing and operating the dewatering maintenance project according

to the approved plan (Doc ID 15082). Furthermore, Wilson County must implement the following tasks:

- Restoration of the final cover system of the closed landfill according to the approved Closure Plan.
- Transportation of the collected liquid from the AST to the City of Wilson Water Reclamation Facility according to the Special Use Sewer Discharge Permit #2011-003 (Doc ID 13929).
- Pursuant to the North Carolina Solid Waste Management Rule (Rule) 15A NCAC 13B .1626(9)(a)(2), the piping carrying liquid from well heads to the AST must be dual-contained piping which will be tested for leakage and air-tightness. A copy of piping test results must be submitted to the Solid Waste Section within 90 days after the construction is completed.

The electronic format of the approved documents can be directly downloaded from the DWM's web site at <http://acp.ncdenr.org/pls/apex/f?p=2136:25:1608645529554395>. Then search for the referenced Document ID Numbers.

Please note that this approval for dewatering maintenance activities does not remove any responsibilities that Wilson County may have to comply with any permit condition, or any local, state or federal regulation. Pursuant to the Rule 15A NCAC 13B .1626(10), please place the authorization letter and the approved document associated with this Dewatering Maintenance Project in the operating record. If you have any questions, regarding this authorization, please contact myself at (919) 508- 8507.

Sincerely,



Ming-Tai Chao, P.E.
Environmental Engineer II
Permitting Branch, Solid Waste Section

Enclosure

cc:

Amy L. Ratliff, P.E., MP Wilson, LLC
Donna Wilson, DWM
Ben Barnes, DWM

Ed Mussler, Permitting Branch Supervisor
Dennis Shackelford, DWM
Central File