



NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES

Division of Waste Management
Dexter R. Matthews
Director

Dee Freeman
Secretary

Beverly Eaves Perdue
Governor

Solid Waste Section

February 18, 2011

Mr. Tim Broome, Director
Johnston County Public Utilities Department
P. O. Box 2263
Smithfield, NC 27577-2633

Subject: Authorization for the Installation of a Landfill Gas Collection and Control System
Johnston County Landfill Facility, Johnston County, North Carolina
Permit No. 51-03, Document ID No. (Doc ID) 12976

Dear Mr. Broome:

The Division of Waste Management (DWM), Solid Waste Section has completed reviews of the permit modification application titled:

- *Solid Waste Permit Modification, Landfill Gas Collection and Control System, Johnston County MSW and C&D Landfill Facility.* Dated November 30, 2010 and revised through January 2011. (Doc ID 12972).

SCS Engineers, PC (SCS) in Charlotte, North Carolina on behalf of Johnston County prepared and submitted the applications and requested approval for constructing and operating the landfill gas collection and control system (LFGCCs) project at the above-referenced landfill facility.

Based on the reviews, the Solid Waste Section hereby grants Johnston County Landfill the authorization for installing the proposed LFGCCs in accordance with the above-referenced document (Doc ID 12972). An electronic pdf format copy of the approved document can be obtained on the DWM's website located at <http://acp.ncdenr.org/pls/apex/f?p=2136:25:1590838597629807>. Please note that this authorization for the installation of LFGCCs does not remove any responsibilities Johnston County may have to comply with any permit condition, or any local, state or federal regulation.

Upon completion of the construction of LFGCCs, the Solid Waste Section may grant Johnston County Landfill a final authorization to operate the constructed LFGCC system. This operating authorization will be issued pending receipt and approval of the following:

1. The Construction Documentation Report of LFGCCs project described in the approved application document (Doc ID 12972) and as-built drawings of piping alignments and locations of wells, valves, and sumps prepared by a surveyor licensed in the State of North Carolina.

2. The copy of air quality permit – Title V Permit approved by the North Carolina Division of Air Quality.
3. The copy of the approval letter of the asbestos control plan for this LFGCCs project issued by the Health Hazards Control Unit of the North Carolina Division of Public Health.
4. The copy of the letter approving the Erosion and Sediment Control Plan for this LFGCCs project issued by the Land Quality Section, Division of Land Resources, if required.
5. The modified Operations Plan to the existing “*Permit Amendment Application, Johnston County MSW Landfill, Phase 4A, Cell 3*” approved by the Solid Waste Section in January 2009 by describing how the operating LFGCCS project will be coordinated with the active landfill operation at landfill facility, such as security/limit access to the flare station, training personnel working around the wells and sumps, fire and emergency responses, and routine inspection and maintenance.
6. The modified Closure and Post-Closure Plan to the existing “*Permit Amendment Application, Johnston County MSW Landfill, Phase 4A, Cell 3*” approved by the Solid Waste Section in January 2009 by including:
 - Descriptions of steps necessary to decommission the components of the LFGCCs (wells, piping, holding tanks, flare, blower, instrument panels, etc.) and restoration of the final cover system if it is damaged by removing collection system at the end of their useful life.
 - The revised cost estimates and updated financial assurance mechanism including the costs for decommissioning the components of the LFGCCs and repairing the final cover system at the end of their useful life.

Please incorporate requested document to a submittal including a written hard copy and an electronic copy (including as-built drawings) and send the submittal to my attention. If you should have any questions regarding this matter please contact me at 919-508-8507.

Sincerely,



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

cc: J. Morgan, P.E., SCS
Donna Wilson, DWM
Dennis Shackelford, DWM

Ed Mussler, Permitting Branch Supervisor
Mary Whaley, DWM
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