



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

FACT SHEET
SOLID WASTE PERMIT NUMBER 54-03

FACILITY: Lenoir County Construction and Demolition Debris Landfill
COUNTY: Lenoir
CITY: La Grange, North Carolina
OWNER/OPERATOR: Lenoir County
130 S. Queen Street
Kinston, North Carolina 28501

DESCRIPTION

Lenoir County has applied for a permit to continue operating the existing Lenoir County Construction and Demolition Debris Landfill (C&DLF) and has submitted a groundwater corrective action plan, in accordance with 15A NCAC 13B .0547 (4). The 108.94-acre landfill facility consists of a C&DLF unit located on top of the closed unlined Municipal Solid Waste Landfill (MSWLF) unit and other specific waste management areas. Lenoir County C&DLF is located on 2949 Hodges Farm Road in La Grange and owned and operated by Lenoir County.

The closed unlined MSWLF encompassing waste footprints of approximately 47 acres received municipal solid wastes from 1982 to 1998. It was incrementally closed from 1994 to 2000. Following the closure, the top of the northern portion (approximately 18 acres) of the unlined MSWLF landfill was approved to construct the C&DLF and began receiving C&D wastes for disposal in December 1997. The vertical expansions of the C&DLF units encompass approximately 18-acre waste footprints with a total gross capacity of approximately 1,126,540 cubic yards. The development of C&DLF consists of a total of six (6) phases; the first two phases (Phases 1 & 2) of which are completed and used for landfilling, and the Phase 3 is developed and ready for operation. The life of Phase 3 is approximately 5 year. Phase 3 through Phase 6 provide approximately 21.5 years of disposal capacity.

No changes are proposed at this time to increase the disposal volume, annual waste acceptance rate (tons per year) or service area. The remaining gross capacity of the C&DLF unit is approximately 616,973 cubic yards (CY), as of May 8, 2009 including waste space of 529,853 CY and final cover system of 87,120 CY. The C&DLF unit is expected to reach its capacity in approximately 2031 based on the average disposal rate of 23,868 CY per year (14,321 tons per year or 50 tons per day based on 286 operating days annually) for the first year and an annual increase of 3.1% for each year thereafter. If waste receipts are less, the landfill service life could last longer. The facility is permitted to receive construction and demolition debris generated from the Lenoir County consistent with the local government solid waste management plan(s), local government approvals dated June 16, 2008 by the Lenoir County Board of Commissioners.

This C&D Landfill unit is permitted to dispose of land clearing/inert debris and construction/demolition debris resulting solely from construction, remodeling, repair, or the demolition of pavement, buildings, or other structures. Hazardous wastes or other banned wastes such as municipal or industrial solid wastes, liquid waste, medical waste, radioactive waste, PCB wastes, yard trash, white goods, septage, sludge, and special wastes are not approved for disposal.

A corrective action plan to address groundwater contamination associated with the closed unlined MSWLF was prepared in accordance with the Solid Waste Management Rules .1635 through .1637. An assessment of corrective measures for groundwater treatment was presented at a public meeting held on March 26, 2008. The selected remedies for implementation to correct the groundwater issues includes monitored natural attenuation coupled with a passive gas venting system to control decomposition gases, the existing institutional controls, and capping for the source control. The draft permit contains conditions for the implementation, operation, and assessment of the action plan.

The Division of Waste Management (Division) has determined that the proposed facility plan, operations plan, closure and post-closure plan, construction quality assurance plan, water quality monitoring plan, corrective action plan, and the documentation of public meetings and local government approval satisfied the requirements of the Solid Waste Management Rules as codified in 15A NCAC 13B .0531, et seq. and 15A NCAC 13B .1630 through .1637. The Division has prepared Draft Solid Waste Permit 54-03 allowing the continued operations of the existing Lenoir County C&DLF unit on top of the closed MSWLF. This draft permit is now available for public review and comment.

PERMIT STRUCTURE

The permit is divided into two parts, the Permit to Construct and the Permit to Operate. A Permit to Operate is issued for 5-year increments of operation. The permit includes a list of approved documents and specific conditions for the operations of landfill units and other specific waste management areas, implementation of the groundwater Corrective Action Plan, and closure and post-closure cares associated with the closed municipal solid waste landfill.

PUBLIC COMMENT PERIOD

North Carolina Solid Waste Management Rules require that the public be given an opportunity to comment on a draft permit for a municipal solid waste management facility. This 45-day comment period began on January 28, 2012, and ends on March 12, 2012. The draft permit is available for review by appointment from 9 AM to 4 PM, Monday-Friday, at the Division of Waste Management, at the building address shown below. All data submitted by the applicant is available as part of the administrative record. Persons who wish to comment on the proposed permit conditions or to object to the permit issuance should submit their comments in writing by March 12, 2012, at 5:00 PM. Comments should be sent to the mailing address shown below and include the permit number. All comments received within the 45-day period will be considered in making the final determinations regarding the permit. A final permit decision and response to comments will be prepared soon after the conclusion of the comment period.

PUBLIC HEARING

Public hearings have been conducted in accordance with the Solid Waste Management Rules to address the continued operation of the C&DLF and the Corrective Action Plan for the MSWLF. The Division believes the pertinent issues involved in the permit decision were addressed in these hearings and does not plan to conduct a public hearing. A request for a public hearing may be made during the public comment period by submitting a written request stating the nature of the issues proposed to be raised in the hearing. Requests must be received by 5:00 pm, March 12, 2012. The Division may hold a public hearing if there is a significant degree of public interest.

NOTIFICATION

Persons interested in receiving notification of the final permit decision should make their request known in writing to the division contact listed below.

DIVISION CONTACT

North Carolina Division of Waste Management
Solid Waste Section
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Attention: Ming-Tai Chao
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