



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Beverly Eaves Perdue
Governor

Dexter R. Matthews
Director

Dee Freeman
Secretary

FINAL FACT SHEET
SOLID WASTE PERMIT NUMBER 33-01

FACILITY: Edgecombe County Construction and Demolition Debris Landfill
COUNTY: Edgecombe
CITY: Tarboro, North Carolina
OWNER/OPERATOR: Edgecombe County
2872 Colonial Road (State Route 1601)
Tarboro, North Carolina 27886

DESCRIPTION

Edgecombe County has applied for a permit to continue to operate the existing Edgecombe 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 landfill facility that consists of a C&DLF unit on top of the closed Municipal Solid Waste Landfill (MSWLF) unit and other specific waste management areas is located on 2872 Colonial Road (State Route 1601) in Tarboro. The landfill facility is owned and operated by Edgecombe County.

The 68-acre closed unlined MSWLF received municipal solid wastes (MSW wastes) from 1979 to 1997 and started incremental closure from 1991 to 2000. Following termination of receiving MSW wastes in 1997, the C&DLF, encompassing 21.2-acre waste footprints, was approved and began receiving C&D wastes for disposal on top of the closed MSWLF landfill on December 30, 1997. The C&DLF unit has total capacity of approximately 1.7 million cubic yards.

No changes are proposed at this time to increase the volume, waste acceptance rate, or service area. The C&DLF unit has remaining capacity of approximately 1,094,500 cubic yards, as of October 26, 2008. The C&DLF unit is expected to reach its capacity in 2048 based on the average disposal rate of 42 tons per day (or 12,600 tons per year). If waste receipts are less, the project could last longer. The facility is permitted to receive construction and demolition debris generated in the Edgecombe County and adjacent counties including Nash, Halifax, Wilson, Pitt, and Martin Counties.

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. The unit is also permitted to dispose other wastes which are generated within the territorial boundaries of Edgecombe County and are similar to wastes typically found in the land clearing/ inert debris and C&D wastes streams including roofing shingle waste from the manufacturers and waste building material from mobile home/ modular home manufacturers. Regulated-asbestos containing material as defined in 40 CFR 61 must be managed in accordance with 40 CFR 61 and maybe accept for disposal. 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 August 4, 2008. Monitored natural attenuation that was coupled with in-situ isolation by installing an upgradient groundwater barrier wall and with stormwater improvement on the western half of the landfill was selected as the remedies for implementation to correct the groundwater issues. The 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 Solid Waste Permit 33-01 allowing the continued operations of the existing Edgecombe County C&DLF unit on top of the closed MSWLF.

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. This permit and approved application documents are available for public review.

PUBLIC COMMENT PERIOD

North Carolina Solid Waste Management Rules required 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 10, 2010, and ended on February 23, 2010. The draft permit was available for review by appointment from 9 AM to 4 PM, Monday-Friday, at the Division of Waste Management, at the address shown below, and can be viewed online at http://acp.ncdenr.org/pls/apex/f?p=2136:25:1966688607568016:::CIR:IR_PERMITID:3301-CDLF-1997. All data submitted by the applicant were made available as part of the administrative record. Persons who wished to comment on the proposed permit conditions or to object to the permit issuance have submitted their comments in writing by February 23, 2010, at 5:00 PM. Comments have been sent to the address shown below and include the permit number. All comments received within the 45-day period were considered in making the final determinations regarding the permit.

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 believed the pertinent issues involved in the permit decision were addressed in these hearings and did not plan to conduct a public hearing during the aforementioned 45-day public comment period; however, opportunities for the requesting a public hearing were given to the general public. No written request for a public hearing was received by the Division during this comment period.

NOTIFICATION

Persons who wanted to receive notice of the final permit decision were allowed to register with the division contact.

DIVISION CONTACT

North Carolina Division of Waste Management
Solid Waste Section
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Attention: Ming-Tai Chao
Phone Number: (919) 508-8507
Fax Number: (919) 733-4810
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FINAL PERMIT ACTION

No public comment was received during the comment period. Permit to Operate 33-01 has been issued to Edgecombe County as owner, and operator for the Edgecombe County C&DLF. The final permit reflects the conditions of the draft permit.