



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 4002-CDLF-1997

FACILITY: Greene County Construction and Demolition Debris Landfill
COUNTY: Greene
CITY: Walstonburg, North Carolina
OWNER/OPERATOR: Greene County
229 Kingold Blvd, Suite D
Snow Hill, NC 28580

NOTIFICATION OF FINAL PERMIT ACTION

On April 18, 2012, the Division of Waste Management (Division) issued Solid Waste Permit No. 4002-CDLF-1997, Permit to Operate - Phases 1 & 2, for the Green County Construction and Demolition Debris Landfill (C&DLF). The Division determined that the proposed facility plan, the operations plan, the closure and post-closure plan, the construction quality assurance plan, the water quality monitoring plan, the corrective action plan to treat groundwater contamination associated with the closed municipal solid waste landfill (MSWLF), 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. This permit expires on April 18, 2017.

DESCRIPTION

Greene County has applied for a permit to continue operating the existing Greene County C&DLF and has submitted a groundwater corrective action plan, in accordance with 15A NCAC 13B .0547 (4). The 77.7-acre landfill facility consists of a C&DLF unit on top of the closed, unlined, MSWLF unit and other specific waste management areas. The Greene County C&DLF is located at 105 Landfill Road, Walstonburg, NC 27888. It is owned and operated by Greene County.

The unlined MSWLF received municipal solid wastes from 1982 to 1991 and was certified for closure in 1998. The disposal footprint is approximately 12.65 acres. Following the closure, the C&DLF was approved to be constructed on top of the MSWLF and began receiving C&D wastes for disposal in December 1997. The vertical expansions of the C&DLF units encompass the approximately 12.65-acre waste footprint and have a total gross capacity of approximately 434,135 cubic yards. The development of the C&DLF consists of five (5) phases; the first phase (Phase 1) is completed and used for landfilling, and Phase 2 is developed and ready for operation. The life of Phase 2 is approximately 5 year. Phase 2 through Phase 5 provide approximately 19.92 years of disposal capacity.

No changes are proposed at this time to increase the volume, annual waste acceptance rate (tons per year) or service area. The remaining capacity of the C&DLF unit was approximately 345,502

cubic yards (CY), as of June 9, 2009, including waste space of 263,867 CY and final cover system of 81,635 CY. The C&DLF unit is expected to reach its capacity in approximately 2031 based on the average disposal rate of 7,765 tons per year or 27 tons per day based on 286 working days annually. 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 Greene County consistent with the local government solid waste management plan(s), local government approvals dated March 3, 2008 by the Greene 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 February 29, 2008. The selected remedies for implementation to correct the groundwater issues includes monitored natural attenuation coupled with 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.

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 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 February 11, 2012, and ended on March 26, 2012. The draft permit was available for review by appointment from 9 AM to 4 PM, Monday-Friday, at the Division of Waste Management, at 217 W. Jones Street in Raleigh. All data submitted by the applicant were 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 given opportunity to submit their comments in writing by 5:00 PM, March 26, 2012. No comments were received during the public 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 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

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