



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 42-04-CDLF-1998

FACILITY: Halifax County Construction and Demolition Debris Landfill –
Area 1
COUNTY: Halifax
CITY: Littleton, North Carolina
OWNER/OPERATOR: Halifax County
P.O. Box 70
26 N. King Street
Halifax, North Carolina 27839

DESCRIPTION

Halifax County has applied for a permit to continue to operate the existing Halifax County Construction and Demolition Debris Landfill (C&DLF) – Area 1 and has submitted a groundwater corrective action plan, in accordance with 15A NCAC 13B .0547 (4). The landfill facility consists of a C&DLF unit (Area 1) on top of the closed Municipal Solid Waste Landfill (MSWLF) unit (Area 1) and other specific waste management areas are located on Liles Road (S.R. 1417), approximately 1.2 miles east of the intersection of S.R. 1417 and S.R. 1001 (Justice Branch Road), about 2 miles north of Aurelian Springs, near Littleton. It is owned and operated by Halifax County.

The closed unlined MSWLF, encompassing approximately a 24-acre waste footprint, received municipal solid waste from 1981 to its closure in 1997. Following the MSWLF closure in 1997, the C&DLF (Area 1) was approved and began receiving C&D waste for disposal on top of the closed MSWLF landfill on September 25, 1998.

The C&DLF (Area 1) is a vertical expansion and located on the north side of the top portions (encompassing 6.5 acres) of the closed MSWLF unit (Area 1). Halifax County proposes to further expand vertically the final fill elevation from 346 feet above mean sea level (amsl) to 358 feet amsl within the same 6.5-acre footprints. This expansion will result in increasing the total gross capacity to 131,267 cubic yards (cy) from the originally capacity of 75,000 cy approved in 2002 permit modification processes. The proposed maximum waste acceptance rate is 20,000 tons per year of C&D wastes, average of 54 tons per day based on 280 days of operation per year. The service area is Halifax County. As of May 1, 2008, the remaining capacity of the C&DLF (Area 1) was approximately 63,868 cy. The C&DLF unit is expected to have a remaining service life of 4.3 years and to reach its capacity in 2015 based on the average disposal rate of 5,500 tons per year. If waste receipts are less, the project could last longer.

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 that are similar to wastes typically found in the land clearing/ inert debris and C&D wastes streams including roofing shingle waste from the manufacturers in Halifax County, waste building material from mobile home/ modular home manufacturers in Halifax County, and wooden pallets. 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 (Area 1) 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 March 11, 2008. The remedies including Monitored Natural Attenuation paired with a landfill gas recovery system to control decomposition gases were selected 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:

- (1) The permit application for increasing total disposal capacity to 131,267 cy is a substantial amendment to the existing permit.
- (2) 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 hereby has prepared Solid Waste Permit 42-04-CDLF-1998 allowing the continued operations of the existing Halifax County C&DLF unit (Area 1) 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.

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 30, 2011, and ended on March 15, 2011. 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 the administrative record continues to be available

for viewing online at <http://acp.ncdenr.org/pls/apex/f?p=2136:25:3975777997899171>. Select 4204-CDLF-1998 in the permit box and click "Search Documents."

All data submitted by the applicant was included in the administrative record. Persons who wish to comment on the proposed permit conditions or to object to the permit issuance submitted their comments in writing by March 15, 2011, at 5:00 PM. Comments should be 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 determination regarding the permit.

PUBLIC HEARING

Public hearings have been previously 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 closed MSWLF. The Division provided an opportunity for an additional public hearing during the 45-day public comment period; however, no request for hearing was made.

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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Raleigh, North Carolina 27699-1646
Attention: Ming-Tai Chao
Phone Number: (919) 508-8507
Fax Number: (919) 733-4810
Email: Ming.Chao@ncdenr.org

FINAL PERMIT ACTION

No public comment was received during the comment period. Permit to Operate 42-04-CDLF-1998 has been issued to Halifax County as owner and operator for the Halifax County C&DLF. The final permit reflects the conditions of the draft permit.