

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
William L. Meyer, Director



Mark P.
file

May 12, 1995

A.H. Jones, Manager
Bladen County
P.O. Box 1048
Elizabethtown, NC 28337-1048

RE: Proposed land application of sludges, Bladen County Landfill, Permit #09-01

Dear Mr. Jones:

This letter is in response to your inquiry concerning the possibility of land application of sludges from the Elizabethtown Wastewater Treatment Plant at the closed Bladen County Landfill.

The Solid Waste Section will consider approval of the land application of sludges at the referenced landfill upon determination by the Section that the landfill has been closed in accordance with all applicable requirements. At a minimum, the following conditions are necessary for approval:

- ① A minimum of 6" of earthen material, or approved soil amendment, in addition to the final cap requirements must be placed on the final cap prior to land application activities and an application method used that will assure that the integrity of the cap is maintained.
- ② Sludge applications shall not exceed the ceiling concentrations or the annual or cumulative pollutant loading rates in 40 CFR 503.13. The sludge shall be analyzed prior to application, and at least annually thereafter, for total nitrogen, and the metals addressed in 40 CFR 503.13, and the results submitted to the division. Sludge application rates shall not exceed the annual agronomic rate for bulk sewage sludge after the initial 3 months of operation.
- ③ The Class B pathogen requirements in 40 CFR 503.32(b) and one of the vector attraction reduction requirements in 40 CFR 503.33(b)(1) through (b) (10) shall be met.
- ④ Records shall be maintained to meet the requirements of 40 CFR 503.17.
- ⑤ An operation plan, prepared by a qualified person, must be submitted for review and approval by the Section. The plan must include, as a minimum, a nutrient management plan and an operations plan that ensures that land application activities will be conducted in accordance with the post-closure conditions outlined in the closure letter for the landfill.

MEMO

DATE: 1/19/95 1:15 P.M.

TO: Bobby Lennon

SUBJECT: Bladen Co Data 1994

- In process of moving office, etc
- Will send copy of 11-3-94 data next week

✓ Bobby Lennon

910-~~862-4777~~

645-4270

4279

From: _____



North Carolina Department of Environment,
Health, and Natural Resources



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MEMO

DATE: 12/5/94

TO: FILE

SUBJECT: Bladen Co LF

- After a review of monitoring data and also additional sampling and site inspections there does not appear to be any public health threat or significant environmental threat from groundwater contamination, ~~and the fact that~~
~~the landfills are capped~~
- The landfill had affected groundwater @ the site
 - Trace amts of VOCs are present
 - MW-8 shows elevated cadmium.
- The landfill is closed and capped
- No receptors are located downgradient.
- Groundwater discharge appears to be away from any groundwater users.

From: LR - MP



North Carolina Department of Environment,
Health, and Natural Resources



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*Forward to M.R.E. ROSE
From Chalky Bryan / Bladen Co. Solid Waste
CIVIL/SANITARY ENGINEERS*

OPERATION/CONSTRUCTION MANAGERS

**Municipal
Services**



**Engineering
Company, P.A.**

P.O. Box 97, Garner, North Carolina 27529 (919)772-5393

P.O. Box 349, Boone, North Carolina 28907 (704)262-1767

October 9, 1994

Mr. James Coffey, Supervisor
Solid Waste Section, DEHNR
PO Box 27687
401 Oberlin Road
Raleigh, NC 27611



Re: Bladen County Landfill Closure

Dear Mr. Coffey:

I, Jimmy Dale Woodie, certify that the Bladen County Landfill units that received waste between October 9, 1991 and October 9, 1993 have been covered according to Rule .1627, subparagraph (c) (1) of the North Carolina Solid Waste Management Rules 15A NCAC 13B as amended through January 4, 1994. Landfill units that did not receive waste after October 8, 1991 have been closed according to Rule .0510 of the Solid Waste Management Rules.

Very truly yours,
MUNICIPAL ENGINEERING SERVICES CO., PA

Jimmy D. Woodie
Jimmy D. Woodie, PE RLS
JDW:cw



Copy: Mr. Lex Jones, Manager
Mr. Edwin Dowless, Director of Operations
Mr. Bobby Lennon, Solid Waste Director

OPERATION/CONSTRUCTION MANAGERS

CIVIL/SANITARY ENGINEERS

**Municipal
Services**



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P.O. Box 97, Garner, North Carolina 27529 (919)772-5393

P.O. Box 349, Boone, North Carolina 28607 (704)262-1767

April 28, 1994

Mr. Mark Poindexter, Hydrogeologist
Solid Waste Section
NC DEHNR
PO Box 27687
Raleigh, NC 27611



Re: Bladen County Landfill
Groundwater Assessment

Dear Mr. Poindexter:

Per your April 13, 1994 letter to Mr. Lex Jones, Bladen County Manager, we are enclosing herein the topographic maps you requested.

If you have questions or comments or need addition information, please don't hesitate to call me at 919-772-5393.

Very truly yours,
MUNICIPAL ENGINEERING SERVICES CO., PA

D. Wayne Sullivan
Project Manager

DWS:cw

Enclosures

Copy: Mr. Lex Jones
Mr. Bobby Lennon
Mr. Edwin Dowless