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NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF WASTE MANAGEMENT

July 14, 2000

Mr. Don Houck
P.O. Box 1327
West Jefferson, N.C. 28694

Re: Approval of the Proposed Groundwater Assessment Activity at the Ashe County Municipal Solid Waste Landfill Facility (Permit 05-01).

Mr. Houck,

The proposed water quality assessment activity proposed in the June 14, 2000 submittal from Municipal Engineering Services Company on behalf of Ashe County is approved for implementation.

To insure the quality of the water samples, the proposed monitoring wells/piezometers shall be constructed according to the standards for monitoring wells set forth in the *N.C.A.C., Title 15A, Subchapter 2C, Section .0100, Well Construction Standards* and the *North Carolina Water Quality Monitoring Guidance Document For Solid Waste Facilities*.

Please include in the assessment activity report the status of the onsite supply well. The use of this well increases the opportunity for contaminants to be transported to deeper zones within the fractured bedrock aquifer system. Replacing the supply well to a different location greater than 500 feet from the waste is recommended to reduce the opportunity for contaminant movement vertically and causing additional and more expensive assessment in the future. This would also bring the site into compliance with the NCAC 2C Well Construction Standards.

Implement the proposed fieldwork within sixty (60) days and submit a field activity and water quality data report within 120 days. Thank you for your prompt attention to these matters. If you have any questions, please contact Mark Poindexter at (919) 733-0692, extension 261, or me at extension 252.

Sincerely,

Philip Prete, Head
Field Operations Branch
Solid Waste Section

- c: Mark Poindexter
- Brent Rockett
- Danny Hockett



1646 MAIL SERVICE CENTER, RALEIGH, NORTH CAROLINA 27699-1646
401 OBERLIN ROAD, SUITE 150, RALEIGH, NC 27605
PHONE 919-733-4996 FAX 919-715-3605



JAMES B. HUNT JR.
GOVERNOR

BILL HOLMAN
SECRETARY

WILLIAM L. MEYER
DIRECTOR

OPERATION/CONSTRUCTION MANAGERS

**Municipal
Services**



CIVIL/SANITARY ENGINEERS

**Engineering
Company, P.A.**

PO Box 97, Garner, North Carolina 27529 (919) 772-5393

PO Box 349, Boone, North Carolina 28607 (828) 262-1767

May 10, 1999

Mr. Mark Poindexter, Hydrogeologist
NC Solid Waste Section
401 Oberlin Road
Raleigh, NC 27611.7687

FAXED
5.10.99

Dear Mr. Poindexter:

I am writing in reference to our telephone conversation concerning the status of several on-going projects. We discussed the following:

- 1) Hertford County remediation plan for the methane gas will be forthcoming. I will be out of the office for the next two weeks; therefore, the plan will be in your office the week of the 24th of May.
- 2) Cherokee County will analyze the next sampling of groundwater at the old landfill for Appendix II constituents. The sampling will be done in August.
- 3) Ashe County is budgeting money in the FY 99-00 budget to re-establish the background well and attempt to determine the flow direction of the groundwater at the upper ridge line. Also, Don Houck is working on the adjoining property to ensure that it is included in the landfill permitted boundaries.

I apologize for not getting this letter to you earlier. If you have any questions or need additional information, please do not hesitate to call me at 919 / 772-5393.

Sincerely yours,

MUNICIPAL ENGINEERING SERVICES CO., PA

D. Wayne Sullivan
D. Wayne Sullivan
DWS

DWS:djr



NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT AND NATURAL RESOURCES

DIVISION OF WASTE MANAGEMENT



MES B. HUNT JR.
VERNOR

WYNE MCDEVITT
SECRETARY

WILLIAM L. MEYER
DIRECTOR

X - still waiting for

January 28, 1998

CERTIFIED MAIL
RETURN RECEIPT REQUESTED

Mr. Don Houck
P.O. Box 1327
West Jefferson, N.C. 28694

Re: Water Quality Assessment of the Closed Unlined Unit at the Ashe
County Municipal Solid Waste Landfill Facility (Permit 05-01).

Mr. Houck,

Thank you for facilitating Brent Rockett's and my November 6, 1997 site visit to the Ashe County (County) solid waste landfill facility. The visit was very beneficial for us. This correspondence serves to recap our conversation that day. The following are the points we discussed during our visit and recommendations in completing the water quality assessment at the site.

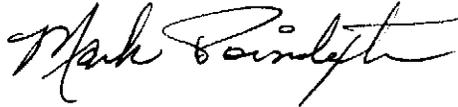
- 1) A contaminant plume has been identified near the County's southeastern property boundary of the closed unlined portion of the site that is adjacent to the tree farm. Further information is needed in this area to determine if the plume has moved offsite. During the visit you indicated to me the property owner did not want any monitoring wells on his property. Would he allow temporary piezometers to be installed on his property south of monitoring wells MW-18, 19 and 20? Although there appears to be minimal risk to receptors at this time, this could change in the future if a private well was installed in this area. Please submit a proposal for how the County will address the potential for future risks.
- 2) Please provide documentation that the closed unlined portion of the landfill is recorded and grantor indexed under the property owner's name.
- 3) The Solid Waste Section (Section) still has not received a site map that clearly delineates 1) the groundwater divide on the eastern side of the closed unlined portion of the landfill, and 2) County owned property from County leased property and the waste boundaries on these properties. Please provide this data within thirty days.

- 4) Per our discussion, additional monitoring wells are needed across the creek to the west of the closed unlined portion of the site, near monitoring wells MW-4 and 26. Sample data from MW-4 and 26 have consistently shown the presence of contaminants. Surface water samples from the creek, which is outside the permitted boundary, have also consistently shown the presence of contaminants. Have you had the opportunity to discuss with the property owner about installing additional wells on the west side of the creek to determine if the creek serves as the discharge point for contaminants from the closed unlined unit? If permission is granted by the property owner the Section agrees with your proposal to install the wells in July.

- 5) Per our discussion during the site visit, the Section has previously requested in correspondence to the County the need for incorporating additional property in the area referenced in item 4, which would include at least up to the creek, into the permit. If this were accomplished the County would then control the property to the nearest discharge point. You informed me during the visit that you had instructed the County's consultant to complete this task and submit necessary documentation to the Section. The Section has not received this information to date. Please have this information submitted to the Section as soon as possible.

Thank you for your prompt response to these matters. If you have any questions, please call me at 919-733-0692, extension 261.

Sincerely,



Mark Poindexter, Hydrogeologist
Groundwater Compliance Unit, Solid Waste Section

c: Phil Prete
Julian Foscue
Brent Rockett
Nancy Scott
Jeff Miller - Ashe County Manager
central file