

01019W032196

Fac/Perm/Co ID #	Date	Doc ID#
BE	03.06.09	DIN

Dept. of Environment, Health and Natural Resources
 Division of Solid Waste Management
 Solid Waste Section
 Larry Rose / Mark Poindexter
 P.O. Box 27687
 Raleigh, NC 27611-7687

Approval given
 3/21/96 -
 provide written
 response ASAP

Dear Mr. Rose

This is notification that chromium, lead and nickel exceeded 15A NCAC 2L standards for groundwater during the September 1995 sampling event at the Austin Quarter Solid Waste Management Facility located in Saxapahaw, N.C. (Alamance County).

We have been in contact with our consultant, Mr. E.W. Scarlett, Jr. P.G., of BPA Environmental and Engineering Inc. to discuss this situation. Mr. Scarlett and county staff feel that the landfill is functioning properly and that the landfill is not adversely impacting groundwater at this site.

Attached is a copy of a proposal from BPA with recommendations to demonstrate that the landfill is not adversely impacting groundwater and thus preclude assessment monitoring. The plan of action as outlined below will take place the week of March 25, 1996 during the next sampling event.

The following work is proposed:

1. Collect both filtered and unfiltered groundwater samples and analyze for metals.
2. Measure turbidity of groundwater samples from each monitoring well.
3. Compare and statistically evaluate analytical results to demonstrate that elevated metal concentrations in the groundwater samples are not attributable to the landfill.

In order to begin work the week of March 25, 1996 time is of essence. Your prompt response is greatly appreciated.

Sincerely,

Alvin H. Cagle
 Alvin H. Cagle
 Landfill Manager

wp/ja



BPA Environmental & Engineering, Inc.

John F. Palmer, P.G.
E.W. Scarlett, Jr., P.C.
R. Edward Hedgecock, P.E., P.G.

2641-G Randleman Road
Greensboro, NC 27406
(910) 272-9713

March 19, 1996

Mr. Alvin Cagle, R.S.
Landfill Manager
209 N. Graham-Hopedale Road
Burlington, North Carolina 27217-2971

Post-it® Fax Note	7871	Date	3-19-96	# of pages	2
To	Alvin Cagle	From	Wes Scarlett		
Co./Dept.	Alamance Co.	Co.	BPA		
Phone #	910 376 8902	Phone #	910 272-9713		
Fax #	910 376 8937	Fax #			

RE: Austin Quarter Landfill
Additional Sampling and Analytical
BPA No. 0170.009

Dear Mr. Cagle:

I have spoken with Mr. Bobby Lutfy and Mr. Mark Poindexter, of the North Carolina Division of Solid Waste Management concerning the elevated metal concentrations detected in the groundwater at the Austin Quarter Landfill during the September 1995 sampling event. Since chromium, lead, and nickel concentrations exceeded the 15A NCAC 2L Standards for groundwater at the time of sampling, action is required on the County's part.

Solid Waste Management Rule 15A NCAC 13B.1634(a) states that "Assessment monitoring is required whenever a statistically significant increase over background has been detected for one or more of the constituents listed in Appendix I or whenever a violation of the North Carolina groundwater quality standards (15A NCAC 2L.0202) has occurred". It is our opinion that the lined disposal area at the landfill is functioning properly and that the landfill is not adversely impacting groundwater at this site.

In order to demonstrate that the landfill is not adversely impacting groundwater and thus preclude assessment monitoring, we recommend the following additional work during the next sampling event.

- Collect both filtered and unfiltered groundwater samples and analyze for metals.
- Measure turbidity of groundwater samples from each monitoring well.
- Compare and statistically evaluate analytical results to demonstrate that elevated metal concentrations in the groundwater samples are not attributable to the landfill.

The estimated cost for the additional services is \$1,700.00.

Sincerely,

BPA ENVIRONMENTAL & ENGINEERING, INC.



E. W. Scarlett, Jr., P.G.
Principal

EWS/bs

AUTOMATIC COVER SHEET

DATE: MAR-19-96 TUE 17:23

TO:

FAX #: 919197334810

FROM: ALAMANCE COUNTY C COMM

FAX #: 910 570 6775

05 PAGES WERE SENT

(INCLUDING THIS COVER PAGE)

ALAMANCE COUNTY LANDFILL

209 N. GRAHAM-HOPEDALE ROAD
BURLINGTON, NORTH CAROLINA 27217-2971

PHONE NUMBER: 910-376-8902

FAX NUMBER: 910-376-8937

FAX COVER SHEET

COMPANY NAME: NC DEHNR

CONTACT NAME: Mark Poindexter

FAX NUMBER: 919-733-4810

SENDER: Alvin Cagle

DESCRIPTION: Letter on groundwater sampling
at Austin Quarter Landfill

NUMBER OF PAGES: 4 (INCLUDING COVER)

DATE SENT: March 19, 1996

* If there are any problems with this transmission, please call: 910-376-8902
Fax Number: 910-376-8937