

7/2/96

State of North Carolina  
Department of Environment,  
Health and Natural Resources  
Division of Solid Waste Management



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

MEMORANDUM

Fac/Perm/Co ID #	Date	Doc ID#
B	6/2/96	DIN

To: Bill Sessoms

From: Jim Bateson *JTB*

RE: Proposed Avery County C&D Landfill

Date: May 1, 1996

cc: Bobby Lutfy

GAI Consultants-NC, Inc. will need to make a few revisions to the hydrogeological study and the monitoring plan for the proposed facility before the application can be approved by the Solid Waste Section:

1. Responses submitted by GAI need to be fashioned such that they may be inserted into the original submittal. The monitoring plan needs to be written in such a way that it can also serve as a final stand-alone document, complete with a plate in pocket, once the facility is operational.
2. The monitoring plan need not include reference to total organic halogens (TOX) analyses.
3. Samples will need to be analyzed for the following field parameters: pH, temperature, and specific conductivity. Procedures for measuring these parameters need to be described in the monitoring plan. A copy of *Sampling and Analysis Requirements for Construction and Demolition Landfills and Closed Sanitary Landfills* is attached for reference.
4. The Solid Waste Section permits landfill units designed to accomodate five years' of projected fill, and the groundwater monitoring system needs to be designed to measure water quality within the 250 foot compliance boundary around the first five year cell. The Section will be able to evaluate the proposed monitoring system only after Municipal Engineering has submitted revised plan sheets showing the projected five-year waste boundaries of C&D waste. Approved monitoring well locations and the projected waste boundaries can then be added to Plate 1 of 1 in GAI's section of the application.
5. A minimum 4-foot vertical separation between waste and groundwater needs to be demonstrated for areas proposed to receive LCID waste. This can be accomplished by one shallow piezometer or test pit in each proposed cell or phase. Water levels are to be observed over a period of several days to allow equilibration.

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May 1, 1996

Ms. Cheryl Marks  
GAI Consultants - NC, Inc.  
3812-H Tarheel Drive  
Raleigh, NC 27609

RE: Monitoring Plan for Closed Avery County Sanitary Landfill  
Permit #06-01

Dear Ms. Marks,

I have reviewed the Surface Water Sampling and Analysis Plan for the above referenced landfill, submitted by your office on April 9, 1996. Several amendments are needed in the document before final copies are forwarded to Avery County and to our office:

1. The monitoring plan need not include reference to total organic halogens (TOX) analyses.
2. Samples will need to be analyzed for the following field parameters: pH, temperature, and specific conductivity. Procedures for measuring these parameters need to be described in the monitoring plan. A copy of *Sampling and Analysis Requirements for Construction and Demolition Landfills and Closed Sanitary Landfills* is attached for reference.
3. In order that the document can serve as a comprehensive monitoring plan, it would be better if well construction records for the three monitoring wells were included in the document, and the title of the document changed to "Water Quality Monitoring Plan".

Please call me at the Solid Waste Section, (919) 733-0692, ext. 342 if you have any questions.

Sincerely,

Jim Bateson  
Hydrogeologist  
Solid Waste Section

cc: Bobby Lutfy