

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

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To Dr Wendell Parker	From Bobby Luffy	
Co. GAI - NC	Co. Solid Waste Sect.	
Dept.	Phone #	
Fax # 878-4032	Fax # 733-4810	

November 7, 1995

Mr. Wayne Sullivan
Municipal Engineering Services
P.O. Box 97
Garner, N.C. 27529

RE: Hydrogeologic Review Of The Revised Transition Plan For The
Alexander County Landfill, # 02-01

Dear Mr. Sullivan,

The Solid Waste Section Hydrogeologic Unit has reviewed the revisions to the Transition Plan for the Alexander County Landfill. There are still a few items that need additional clarification or changes. Please address the following questions and comments:

LOCAL AREA STUDY

- Parts of the Local Area Study information are shown on three different drawings; an Aerial Photo, a 2000 ft. Perimeter Topographic Map, and a Facility Operation Plan Drawing. Neither the Aerial Photo or the 2000 ft. Perimeter Topographic Map have a legend.
- None of the drawings clearly show the presence or the location of ground and surface water supply intakes. If none are present within the 2000 ft. study area, this must be noted on the margin of the drawing(s).
- If the Operation Drawings are being used to show current topographic information, limits of disposal areas, benchmarks, etc., they must be provided or clearly cross-referenced in the Local Area Study section of the Transition Plan. Which Operation Drawings are being used to provide this information? I was not able to locate the survey control benchmarks on any of the Operation Drawings.

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GAI's May 5, 1995, responses to review comments - Addendum A, Ground And Surface Water Monitoring System (March 11, 1994) - appears generally satisfactory,

There are still a couple of items that need clarification in GAI's May 5, 1995, responses to review comments - Addendum A, Water Quality System Modifications (October 4, 1994):

- Plate 1 in the Response Report shows different facility boundaries from the Plate 1 in the earlier submittal. Which Plate 1 accurately shows the facility boundaries as described in the Landfill Permit? If Alexander County has acquired additional property that they wish to incorporate into the permitted facility boundaries, then they need to present a revised survey and formally request a permit modification. Normally, the Rules require that monitoring wells be installed at least 50 feet within the facility boundary. If the waste boundary is so close to the facility boundary so as to make it impossible to meet this requirement, then an explanation of these conditions needs to be provided.

SAMPLING AND ANALYSIS PLAN (SAP)

The Revised Sampling And Analysis Plan of April 1995 also needs to be incorporated into the Transition Plan.

- The Revised Sampling And Analysis Plan (SAP), dated April 1995 appears generally okay. At the bottom of page 5, specific conductivity should be reported along with the other field test parameters.
- GAI needs to provide a separate copy of the Revised SAP to each County to be included in their copy of the Transition Plan. For the Transition Plans to be retained by the Solid Waste Section, either a sheet referencing the Revised SAP on file should be placed in each County's Transition Plan or a separate copy of the Revised SAP needs to be placed in each of the various Counties Transition Plans.

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Please provide the additional revisions to the Transition Plan as soon as possible so the Solid Waste Section can complete our technical review. If you have any questions regarding this letter, please contact me at (919) 733-0692, extension 258.

Sincerely,

Bobby Lutfy

Bobby Lutfy
Hydrogeologist
Solid Waste Section

cc: Susan Wright, Solid Waste Section
Wendell Parker, GAI NC - Inc.