

March 13, '45

Alexander County Trans. Plan
02-01

Summary Report

Age 25 yrs

Size 6.5 acres

W.Q. Compliance - Stat. analysis
- 2L Standards

2 G.W. users within \approx 2000ft of LF

Local Area Study

Ref. other MEI memos

no wells w/in 2000 ft
"approx. elevations"

W.Q. Mon. Plan

2 wells not locked
unvented caps

Table 4 Proposed wells 10'

SAP refers to other notes

Oct 94 WQ System Data

Well 4R, Well 9

Documentation for K, n, ne, Q

Narrow

Wells 2, 6, 8 outside fac. property

no well installed in drainage feature of where well 4 was thought to be



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FAX TRANSMITTAL SHEET

DATE: 8-23-94 PROJECT NO: _____

TO: Bobby Lutfy COMPANY: NCDFHNR

FAX NO: 733-4810 PAGES: 4 (Including this sheet)

FROM: Wendell Parker

MESSAGE: _____

NOTE: If any of this facsimile transmission is illegible, or you do not receive the same number of pages as stated above, please contact us immediately at: (919) 878-4478





GAI Consultants-NC, Inc.

August 23, 1994

3812-H Tarheel Drive
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Mr. Bobby Lutfy
North Carolina Division of Environment, Health
and Natural Resources
Solid Waste Section
Post Office Box 27687
Raleigh, North Carolina 27611-7687

Re: Interim Water Quality Monitoring Transition Plans
Municipal Solid Waste Landfills
Various Locations

Dear Mr. Lutfy:

A meeting was held on Friday, August 12, 1994 at the Offices of the Solid Waste Section in Raleigh and attended by Bobby Lutfy (Solid Waste Section), Wayne Sullivan (Municipal Engineering Services Company), Ed Custer and Wendell Parker (GAI Consultants). This letter summarizes the discussions and changes agreed to concerning the Interim Water Quality Monitoring Transition Plans for the following Municipal Solid Waste Landfills:

- Surry County Mt Airy Permit # 86-02
- Surry County Elkin Permit # 86-03
- Lenoir County Permit # 54-03
- Wayne County Permit # 96-01
- Granville County Oxford Permit # 39-01
- Alexander County Permit # 02-01

Surry County Mt Airy Permit # 86-02

Mr. Lutfy was advised that a field check of the planned locations for Monitoring Wells 3R, 4, 6, and 8 showed they would have to be moved due to the presence of either trash or adverse topography. It was also reported that the planned location for Well 10 had not been field verified. The landfill operator reported that the berm around the trash had been placed very close to the property line at planned Well 10 location and it might not be possible to construct a monitoring well within the property at this location. Mr. Lutfy approved moving Monitoring Wells 3R, 4, 6, and 8 to avoid the berm and trash. Since the meeting, the planned location for Well 10 has been field checked and the berm extends to the fence which reportedly marks the property line. A well cannot be placed on the landfill property in this area without affecting the stability of the berm. Sufficient space for installation of the well does exist off the landfill property between the berm and the stream. The need for acquisition of the property or

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August 23, 1994
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permission of the property owner to install the well, if the well is to be installed between the landfill and the stream, has been referred to Surry County and Municipal Engineering Services Company. It is recommended that Well 10 not be installed.

Surry County Elkin Permit # 86-03

Mr. Lutfy was advised that planned locations for Monitoring Wells 3R, 4, 5, 6, and 7 had not been field checked, and discussions with the landfill operator indicated the wells would probably have to be moved due to the presence of either adverse topography or trash at the planned well locations. Mr. Lutfy approved moving Monitoring Well 3R down the hill between Wells 2 and 3 to avoid trash, moving Wells 4 and 5 approximately 200 feet further down the creek to avoid the berm and steep topography, and moving Wells 6 and 7 further down the hill to avoid the berm and trash. Since the meeting, all revised well locations have been field verified. However, planned and revised locations for Monitoring Well 7 are in an area where steep topography precludes locating a well between the berm and the stream without affecting the stability of the berm and the landfill. It is recommended that Well 7 not be installed.

Lenoir County Permit # 54-03

The need for two additional monitoring wells between the demolition area and the MSWLF unit was discussed. It was agreed that planned Well 9 could be deleted from the plan and that only one well was needed between the demolition area and the MSWLF to effectively monitor the site. If one well cannot be centered between the demolition and MSW landfill areas, two wells will be installed.

Wayne County Permit # 96-01

The discussion concerning this landfill revolved around the Solid Waste Section's demand for two additional monitoring wells. The reasons for and against the demand for these wells were discussed and Mr. Lutfy insisted that the requested additional two monitoring wells be installed. The two additional monitoring wells will be installed.

Granville County Oxford Permit # 39-01

Mr. Lutfy was advised that Municipal Engineering Services Company and GAI Consultants have been retained by Granville County to complete the Transition Plan started by Woodward-Clyde. GAI has reviewed the submitted proposed Water Quality Monitoring Transition Plan and recommended the following changes in the submitted plan which were agreed to by Mr. Lutfy:

Nested wells are not needed at the locations of Monitoring Wells 1 and 3.

An additional upgradient Well 1A is to be located away from the landfill activities at a site approximately 200 feet west of Well 1.

An additional well (Well 6) will be installed on the west side of the landfill approximately 650 feet north of Monitoring Well 2.

Alexander County Permit # 02-01

The location for an additional upgradient monitoring well was discussed. It was agreed that if the county owned

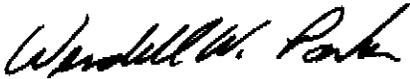
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the property to the north of the landfill that the additional upgradient well would be placed on the knob at 1088.12. Otherwise, the additional upgradient well would be located south of the access road in the northeast corner of the property.

Sincerely,



Edward S. Custer, Jr., Ph.D., PG
Staff Geologist



Wendell Parker, Ph.D., P.E.
Vice President

ESC/kl

cc: Wayne Sullivan, Municipal Engineering Services Company