

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

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



October 10, 1996

Mr. Steve Clayton
Wilson County Solid Waste Management
P.O. Box 1728
Wilson, NC 27894

Fac/Perm/Co ID #	Date	Doc ID#
98-01 macy	07/15/96	DIN/4387

Re: Full Approval of the Transition Plan for the Wilson County MSW Landfill, Permit Number ~~98-01~~

Dear Mr. Clayton:

The Division of Waste Management has completed its review of the Transition Plan for the referenced landfill submitted by the consultant, Mr. Gary Ahlberg, P.E., on behalf of the owner and operator, Wilson County.

Rule .1603(a)(4)(A) of the Solid Waste Management Rules codified at 15A NCAC 13B requires the owner and operator of an existing MSWLF unit to submit a Transition Plan application for continuing operation and closure of the existing MSWLF unit by April 9, 1994. Rule .1617(d) requires that the plan contain: an operation plan in accordance with Rule .1625, a closure and post-closure plan in accordance with Rule .1629, a water quality plan in accordance with .1623(b)(3), and a report that contains a schedule for closure of the existing MSWLF unit and, if necessary, submittal of an application for a new facility, a lateral expansion or permit renewal.

Rule .1603(d)(2) requires the Division to establish a review schedule for the Transition Plan applications which determines the adequacy of all the plans by October 9, 1996. The rule allows the Division to issue full or partial approvals and to determine the schedule for closure of the existing MSWLF unit based on its review of the complete transition plan application.

In accordance with Rule .1603(d)(2), the Division has completed its review of the submitted application as amended through October 7, 1996, and hereby issues full approval of the Transition Plan for the referenced landfill.

The approved Transition Plan shall be effective through December 1997, or until the permitted contours are reached. Rule .1625(b)(3)(C) requires that operation drawings illustrate annual phases of development which are consistent with the minimum and maximum closure slope requirements. In accordance with this rule and Rule .1627(c)(10)(A), the existing unlined MSWLF unit shall be operated in such a manner as to cease receiving solid waste on or before

P.O. Box 27687,
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Voice 919-733-4996



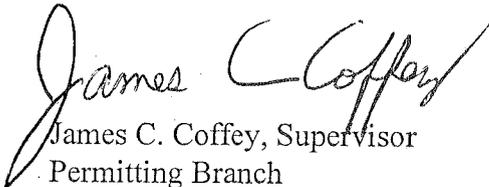
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January 1, 1998, regardless of the approved final contours.

If there are any questions or comments, please contact Greg Eades @ (919) 733-0692, extension 344.

Sincerely,

A handwritten signature in black ink that reads "James C. Coffey". The signature is written in a cursive style with a large initial "J" and a long, sweeping underline.

James C. Coffey, Supervisor
Permitting Branch
Solid Waste Section

cc: Dexter Matthews, SWS
Terry Dover, SWS
Ben Barnes, SWS
Gary Ahlberg, P.E.

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Mr. Steve Clayton
Wilson County Solid Waste Management
P.O. Box 1728
Wilson, N.C. 27894

August 23, 1996

RE: Wilson County Transition Plan; Permit #98-01

Dear Mr. Clayton,

After our meeting of August 21, 1996, I met with Bobby Lutfy and Mark Poindexter to discuss the issues concerning both the completion of the Transition Plan and the need for further investigation of contaminated groundwater in well MW-3. In order to facilitate the early and efficient completion of both processes, the two issues can be separated.

In order to do this, MW-3 needs to remain as part of the detection monitoring system for the facility, until an investigation is complete, and the well replaced, if necessary. Monitoring wells MW-6a, 6b, and 7, (plus gas probe GP-3), or equivalent wells deemed necessary by the Solid Waste Section to insure an adequate detection monitoring system, will need to be installed in the near future. The number, location, and construction details of monitoring wells to be placed in the newly acquired buffer area, and the area adjacent to MW-3, will need to meet the requirements of a groundwater investigation to be approved by the Section.

GROUNDWATER INVESTIGATION IN THE VICINITY OF WELL MW-3:

Wilson County needs to obtain the services of a N.C. Licensed Geologist to prepare a proposal for a ground water investigation, to be submitted to the Solid Waste Section within a period of 90 days from the date of this letter. The proposed investigation needs to address the following:

1. Location of the waste boundary in the vicinity of MW-3.
2. The effect that the drainage ditch may have on groundwater flow in the surficial aquifer. Does flow in the surficial aquifer pass beneath the ditch?
3. Groundwater flow direction in the general area around MW-3.
4. The stratigraphic relationships and hydraulic properties of materials in the subsurface of the area of the investigation.

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5. The location, design, and purpose of wells to be installed as part of the investigation.
6. In-situ hydraulic conductivity determinations need to be provided for monitoring wells MW-4 and MW-5. Total porosity and effective porosity values for the lithology at the screened depth for each monitoring well in the system need to be obtained. Computations of flow velocities at each well need to be computed, based on the effective porosity and hydraulic conductivity determinations specific to each well. This information will also need to be obtained for MW-6a, 6b, and 7 (or their equivalents) after they are installed.

COMPLETION OF THE TRANSITION PLAN:

Final Review of the Transition Plan can be completed by the Solid Waste Section after the following amendments to the original document have been completed by Wilson County and Gary W. Ahlberg, P.E.:

- The Transition Plan will need to contain an amended metes and bounds facility boundary description which reflects the addition of the newly acquired buffer area. Also, the application will need to contain copies of the deed documents recorded by Wilson County which show that the properties involved are part of a solid waste disposal facility.
- NCSP coordinates and elevations of the USGS benchmark used to establish survey control at the facility, the permanent onsite benchmark, and all of the monitoring wells at the facility need to be tabulated for insertion into the transition plan.
- The Water Quality Monitoring Plan needs to contain a statement about sampling frequency. After the baseline sampling is complete, sampling needs to be done semiannually.
- The water quality monitoring plan needs to contain the correct analytical procedures and PQL's for each of the Appendix I constituents. These are contained in the attached memorandum from the Section, dated January 18, 1995.
- The insertion of several items from the Baseline Water Quality Monitoring Report into the original Transition Plan document, as discussed during our meeting.

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Please submit the amendments to the Transition Plan as soon as possible, since our rules require completion of the review of the Transition Plans by October 1996. If you have any questions about this letter, please contact me at the Solid Waste Section, (919) 733-0692.

Sincerely,



Jim Bateson
Hydrogeologist
Solid Waste Section

cc:	Gary W. Ahlberg, P.E.;	Engineering & Consulting Services
	Greg Eades;	Solid Waste Section
	Mark Poindexter;	"
	Bobby Lutfy;	"
	Jim Coffey;	"

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MEMORANDUM

To: Greg Eades

Date: October 9, 1996

From: Jim Bateson

Handwritten initials 'JB' in black ink, positioned to the right of the 'From:' field.

cc: Bobby Lutfy
Mark Poindexter

RE: Wilson County Transition Plan; Hydrogeology
Permit # 98-01

I have reviewed the amendments to the Transition Plan for the Wilson County Landfill, submitted by Gary Ahlberg on October 7th. The amendments to the Water Quality Monitoring Plan satisfy the items listed in the "Completion of the Transition Plan" portion of the August 23, 1996 letter to Mr. Steve Clayton. I have also inserted copies of the March 27, 1995 *Groundwater Monitor Well and Methane Gas Probe Installation Report* prepared by Environmental Investigations, as an appendix to the Monitoring Plan, Section 6.

As currently amended, the Local Area Study and the Water Quality Monitoring Plan meet the requirements of the Solid Waste Management Rules, 15A NCAC 13B, sections .1629(b)(2)(A), .1617(d)(3), and .1623(b)(3).

Some of the details in the Water Quality Monitoring Plan concerning the location, design, and purpose of additional monitoring wells will be subject to the results of the groundwater investigation described in the Section's letter of August 23, 1996.