

State of North Carolina
Department of Environment,
Health and Natural Resources
Winston-Salem Regional Office

James B. Hunt, Jr., Governor
Jonathan B. Howes, Secretary
Leesha Fuller, Regional Manager



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October 26, 1994

Mr. Jimmy D. Woodie, PE RLS
Municipal Engineering Services Company
P.O. Box 97
Garner, NC 27529

Subject: Landfill Closure Documentation for Transylvania, Wilkes, Ashe, Avery,
Iredell, Clay, Graham, Alleghany, Yadkin, and Stokes Counties

Dear Mr. Woodie:

The Solid Waste Section is in receipt of your letter certifying closure of the referenced facilities. While the certification itself is adequate, the Section is requesting that supporting documentation be submitted. At a minimum, the following issues need to be addressed:

1. **Verification of thickness of final cover.** Category 1 areas (units that stopped accepting waste prior to Oct. 9, 1991) must have 2 feet of suitable compacted soil, while category 2 units must have an 18 inch low-permeability layer and 6 inch erosion layer as per Rule .1627(c)(1). This is typically verified through survey data or soil borings. If facilities have both category 1 and 2 units being closed, please provide a plan view drawing or sketch showing the areas that have been certified.
2. **Verification of permeability of soil barrier layer.** This is typically demonstrated through initial laboratory testing of borrow material, in-place field density tests, moisture content tests, and in-place permeability tests. Please provide a description of the methods used to verify permeability, including copies of test results where applicable.

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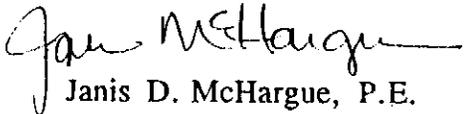
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Any other information that you could provide to support the certification of proper closure could expedite our review, and subsequently hasten the formal closure of the facility. Some examples of information the Section considers pertinent include a description of methods used (or proposed) to mitigate landfill gas migration, comments on the groundwater monitoring system, information regarding proposed uses for the closed landfill, and as-built drawings showing that the landfill was constructed in conformance with the plans.

For further discussion of this matter, please contact me at (910) 896-7007.

Sincerely,



Janis D. McHargue, P.E.
Western Area Engineer
Solid Waste Section

cc: Jim Coffey ✓
Julian Foscue

