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State of North Carolina
Department of Environment, Health, and Natural Resources
Division of Solid Waste Management
P.O. Box 27687 · Raleigh, North Carolina 27611-7687

James G. Martin, Governor
William W. Cobey, Jr., Secretary

William L. Meyer
Director

July 18, 1990

Mr. Alvin Cagle
Alamance County Health Dept.
209 N. Graham-Hopedale Road
Burlington, N.C. 27215

Re: Ground-water Sampling Analysis At The Alamance County Landfill

Dear Mr. Cagle,

The Solid Waste Section has reviewed the ground-water monitoring analytical data for the 1990 sampling of the Alamance County landfill. Results for Iron and Manganese exceeded the ground water standards at all well locations. All other parameters were reported at levels below the standards.

Iron and Manganese are commonly found naturally occurring in North Carolina. However the levels reported at the Alamance Landfill are higher than those generally found naturally. Therefore there is evidence that leachate is influencing the ground water of the area. Iron and Manganese are common contaminants at landfill sites. The levels of Iron and Manganese present at the Alamance Landfill site do not appear to be sufficiently high at this time to indicate a major threat to the public health or the environment. Therefore, no additional sampling will be required at this time.

The sample results show that monitoring well #4 was dry and could not be sampled. This well must be abandoned and replaced with a properly designed and constructed monitoring well prior to the next annual sampling event. A complete and accurate Well Completion Record should be submitted to the Solid Waste Section within 15 days of the completion of the replacement well. The old well should be abandoned according to the permanent well abandonment procedures outlined in 15 NCAC 2C Section .0113 (a)(2), except that it is not necessary to disinfect the well (line C) as this could introduce contaminants into the ground water of the area.

If you have any questions or comments, please contact our office at (919) 733-0692.

Sincerely,

Bobby Lutfy
Bobby Lutfy
Hydrogeologist
Solid Waste Section

cc: Jeff Rogers
Attachments