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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

June 1, 1994

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Mr. Alvin Cagle  
Director, Solid Waste Management  
Alamance County  
124 West Elm Street  
Graham, North Carolina 27253

Re: Minimum Detection Limits for Cadmium and Lead in Groundwater  
Monitoring Data (Alamance County Landfill, Permit # 01-01)

Dear Mr. Cagle:

Analytical data submitted to the Solid Waste Section from the April 15, 1994 sampling episode at the Alamance County Landfill (Permit # 01-01) apparently has minimum detection limits for cadmium (0.01 mg/l) and lead (0.05 mg/l) that are higher than existing NCAC 2L groundwater standards. Consequently, a complete assessment cannot be made of the water quality with respect to concentrations of each metal. Please have the laboratory that conducts the analyses on all future monitoring well samples from both Alamance County Landfills adjust the minimum detection limits for cadmium and lead to be equal to or less than current Class GA Groundwater Standards (cadmium 0.005 mg/l, and lead 0.015 mg/l).

I have enclosed a copy of Subchapter 2L, "Classifications and Water Quality Standards Applicable to the Groundwaters of North Carolina" for your information. If you have any questions or comments, please call this office at (919) 733-0692.

Sincerely,

Larry Rose  
Hydrogeological Technician  
Solid Waste Section

cc: Ms. Lora F. Blanchard  
Customer Service Representative  
Burlington Research

Enclosure