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

March 6, 1990

Mr. Bill Barringer
Alexander County Office Building
255 Liledoun Road
Taylorsville, N.C. 28681

Re: Surface Water Monitoring at the Alexander County Landfill, Permit #(02-01).

Dear Mr. Barringer

Section .0602 (Surface Water Monitoring) of The Solid Waste Management Rules (10 NCAC 10G) states that "The division shall require a solid waste management facility to provide such surface water monitoring capability as the division determines to be necessary to detect the effects of the facility on surface water in the area." As a result of the focus on ground-water monitoring in recent years, surface water monitoring has been overlooked at many solid waste management facilities.

The Solid Waste Section is now in the process of re-establishing a surface water monitoring program at all sanitary landfills in North Carolina. Surface water monitoring should include a sample taken immediately upstream of the landfill facility as well as a sample taken immediately downstream of the facility. Each significant stream adjoining (or within) the landfill facility should be sampled. All ground and surface water monitoring should be performed according to the specifications in the "North Carolina Water Quality Monitoring Guidance Document for Solid Waste Facilities".

Within the next 30 days, please submit to our office a surface water monitoring plan. This plan should include a map of the permitted landfill facility showing all streams within or adjoining the landfill property. Proposed stream monitoring locations should be indicated on the map with designations that can be correlated with future sample analytical data (e.g. SW-1, SW-2, etc.). You should also indicate which are upstream sampling locations, and which are downstream locations. The streams should be sampled at the same time and for the same parameters as the ground-water monitoring wells. Please include the surface water data along with the ground-water analysis for all future water quality samplings.

Thank you for your cooperation in re-establishing surface water monitoring along with the ongoing ground-water monitoring program at your landfill facility. If you have questions or comments please contact this office at (919) 733-0692.

Sincerely,

Gray B. Stephens
Hydrogeological Technician
Solid Waste Section

cc: Bobby Lutfy
Richard Doby
Julian M. Foscue III