



North Carolina Department of Environment and Natural Resources

Dexter Matthews, Director

Division of Waste Management

Beverly Eaves Perdue, Governor
Dee Freeman, Secretary

July 6, 2009

Mr. Steve Curl
R.J. Reynolds Tobacco Company
Sr. Area Manager Environment, Health, and Safety
401 North Main Street
Winston-Salem, NC 27101

Re: *Water Supply Well Survey and Sampling*
R.J. Reynolds Rural Hall Landfill, Forsyth County
Permit #34-05

Dear Mr. Curl:

The North Carolina Solid Waste Section has completed a review of the *Water Supply Well Survey and Sampling* letter dated June 30, 2009 for the R.J. Reynolds Rural Hall Landfill and submitted by ERM NC, PC. The letter was submitted pursuant to a Compliance Order issued by the Division of Waste Management, Solid Waste Section on April 17, 2009. Groundwater and surface water sampling results for the R.J. Reynolds Landfill indicate shallow and deep groundwater and surface water contamination. There have been historical and recent North Carolina 2L Groundwater Standard and North Carolina 2B Surface Water Standard exceedances at the landfill.

The *Water Supply Well Survey and Sampling* letter includes a request to conduct a water supply well survey and water supply well sampling within 1,500 feet from the R.J. Reynolds Rural Hall Landfill plus the Freedom Baptist Church and the Hawks residence located on the north side of Highway 65. The water supply wells will be sampled for the following inorganic constituents: iron, manganese, selenium, sulfates, barium, cadmium, chromium, and lead. In addition, the following field parameters will be collected: pH, specific conductivity, temperature, and oxidation-reduction potential (ORP). The Forsyth County Public Health Department will be contacted regarding the water supply well sampling activities, and sampling results will be provided to each water supply well owner. If there are any exceedances of the North Carolina 2L Groundwater Standards, the water supply well sampling results will be reviewed by a State Toxicologist. As a result, the request is approved as described. If you have any questions or concerns regarding this letter, please contact me at 919-508-8500 or jaclynne.drummond@ncdenr.gov.

Sincerely,

Jaclynne Drummond
Hydrogeologist
Environmental Compliance
Solid Waste Section

cc: David Wasiele, ERM NC, PC
Alan Martin, ERM NC, PC
Tom Wilson, ERM NC, PC
Mark Poindexter, Field Operations Supervisor
Jason Watkins, Central District Supervisor
John Patrone, Environmental Senior Specialist
Solid Waste Section Central Files