



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Dexter R. Matthews

Director

Pat McCrory  
Governor

John E. Skvarla, III  
Secretary

October 10, 2013

Sent Via Email – YIY1@RJRT.com

Ms. Yongsheng Yi  
R.J. Reynolds Tobacco Company  
Environment, Health, and Safety  
401 North Main St.  
Winston-Salem, NC 27101

Re: *Adoption of Proposed Selected Remedy*  
Rural Hall Ash Landfill  
Forsyth County  
Solid Waste Permit Number 34-05  
DIN 19938

Dear Yong Yi:

The Solid Waste Section has completed a review of the *Adoption of Proposed Selected Remedy* (DIN 19903) dated October 1, 2013 and submitted by R.J. Reynolds Tobacco Company for the Rural Hall Ash Landfill, Solid Waste Permit Number 34-05.

As a result of the historical and consistent groundwater exceedances and impacts to the adjacent surface waters, R.J. Reynolds Tobacco Company has selected the following groundwater corrective action remedy: the installation of a linear low density polyethylene (LLDPE) synthetic liner to the landfill cap, drainage improvements, and intrinsic remediation with performance monitoring. The potential contingency plan is in-situ bioremediation. The selected remedy is proposed to restore groundwater quality at and beyond the compliance boundary, to effectively reduce the overall groundwater contamination at the facility, and to control the migration of contaminated groundwater to prevent unacceptable impacts to the adjacent surface waters and to the adjacent properties.

As a result, the Solid Waste Section approves R.J. Reynolds Tobacco Company's selected remedy for the Rural Hall Ash Landfill. Please submit a Corrective Action Plan (CAP) to the Solid Waste Section within 90 days of receipt of this letter in accordance with 15A NCAC 13B .0503(2)(d) and 15A NCAC 2L. The Corrective Action Plan (CAP) should also include an updated Water Quality Monitoring Plan (WQMP), a discussion of the two contingency plans, and a specific timeline/schedule outlining the next five years following the approval of the Corrective Action Plan (CAP).

Finally, while the facility is undergoing corrective action, R.J. Reynolds Tobacco Company will be required to submit a Corrective Action Effectiveness Report (CAER) every five years. The Corrective Action Effectiveness Report (CAER) should include an interpretation of the corrective action data collected and a technical evaluation of R.J. Reynolds Tobacco Company's selected remedy.

If you have any questions or concerns regarding this letter, please feel free to contact me at 919-707-8294 or by email at [jaclynne.drummond@ncdenr.gov](mailto:jaclynne.drummond@ncdenr.gov). Thank you again for your continued cooperation with this matter.

Sincerely,



Jaclynne Drummond  
Compliance Hydrogeologist  
Solid Waste Section

cc sent via email: Jason Watkins, Western District Supervisor  
C.T. Gerstell, Environmental Senior Specialist  
John Murray, Permitting Engineer  
Alan Martin, ERM NC, Inc.