



North Carolina Department of Environment and Natural Resources

Dexter Matthews, Director

Division of Waste Management

Beverly Eaves Perdue, Governor  
Dee Freeman, Secretary

June 26, 2009

Ms. Nancy Rickard  
Lincoln County Solid Waste Division  
5291 Crouse Road  
Crouse, NC 28033

Re: *Proposed Sample Location Plan for the January 2009 Leachate Release*  
Lincoln County Landfill  
Permit #55-03

Dear Ms. Rickard:

The Solid Waste Section has completed a review of the *Proposed Sample Location Plan for the January 2009 Leachate Release* dated June 18, 2009 and submitted on behalf of Lincoln County by S&ME, Inc. for the Lincoln County Landfill. Surface water samples were collected on January 19-20, 2009, and at the request of the Solid Waste Section, additional surface water and soil samples were collected on January 23, 2009. Based upon the preliminary surface water and soil sampling results, additional assessment was required and an *Assessment Plan for January 2009 Leachate Release* dated February 26, 2009 was then submitted to the Solid Waste Section. The *Assessment Plan for January 2009 Leachate Release* was approved by the Solid Waste Section on March 6, 2009. In the meantime, a Compliance Order With Administrative Penalty was issued by the Division of Waste Management, Solid Waste Section on March 3, 2009 for the violation of 15A NCAC 13B .1626(8)(d).

The *Proposed Sample Location Plan for the January 2009 Leachate Release* consists of additional soil and surface water sampling to further evaluate the impacts of the leachate release. The soil samples will be collected and analyzed for Appendix I Volatile Organics and Metals, Nitrate-Nitrite, Phosphorus, Percent Solids, Sulfate, and pH. The surface water samples will be collected and analyzed for Appendix I Volatile Organics and Metals, BOD, COD, Nitrate-Nitrite, Phosphorus, Sulfate, and Total Suspended Solids. Field parameters, duplicate samples, trip blanks, field blanks, and equipment blanks will also be collected.

In accordance with the approved *Assessment Plan for January 2009 Leachate Release*, three groundwater monitoring wells will be installed between the sediment trap ST-2 and Indian Creek and its tributaries. Groundwater samples will be collected and analyzed for Appendix I Volatile Organics and Metals. In addition, slug tests will be performed in the newly installed groundwater monitoring wells. Finally, during the groundwater monitoring well installation, soil samples will be collected from each boring for laboratory soil classification and saturated soil samples will be analyzed for Appendix I Metals.

As a result, the *Proposed Sample Location Plan for the January 2009 Leachate Release* is approved as described. Once all elements of the *Assessment Plan for January 2009 Leachate Release* and the *Proposed Sample Location Plan for the January 2009 Leachate Release* are completed, please submit a written report of the findings to the Solid Waste Section within 30 days. If you have any questions or concerns regarding this letter, please contact me at 919-508-8500 or [jaclynne.drummond@ncdenr.gov](mailto:jaclynne.drummond@ncdenr.gov).

Sincerely,



Jaclynne Drummond  
Hydrogeologist  
Environmental Compliance  
Solid Waste Section

cc: Julie Peterson, S&ME, Inc.  
Mark Poindexter, Field Operations Supervisor  
Deb Aja, Western District Supervisor  
C.T. Gerstall, Environmental Senior Specialist  
Solid Waste Section Central Files