



North Carolina Department of Environment and Natural Resources

Dexter Matthews, Director

Division of Waste Management

Beverly Eaves Perdue, Governor
Dee Freeman, Secretary

October 21, 2010

Sent Via US Mail and Via Email – buddy.norris@averycountync.gov

Mr. Buddy Norris
Avery County Solid Waste Director
P.O. Box 640
Newland, NC .28657

Re: *Landfill Gas Investigation Work Plan*
Avery County MSW Landfill
Solid Waste Section Permit Number 06-01

Dear Mr. Norris:

The Solid Waste Section has completed a review of the *Landfill Gas Investigation Work Plan* dated October 4, 2010 submitted on behalf of Avery County by RSG for the closed Avery County MSW Landfill. The *Landfill Gas Investigation Work Plan* was provided to conduct additional investigation regarding the extent of landfill gas migration at the facility.

The preliminary investigation would be performed at the following locations: (1) along the property line of the MSW landfill; (2) on the Unimin Corporation property located to the north across Brushy Creek Road (near P-3) and to the south of the MSW landfill (near P-7); and (3) on the Avery County Airport Authority property located to the west of the MSW landfill (near P-7).

The preliminary investigation includes using a soil gas probe system that utilizes ½ inch diameter metal rods that are driven into the subsurface in a radii pattern from probes P-3 and P-7. Per the *Landfill Gas Investigation Work Plan*, the temporary probes will be driven to a minimum depth of 4 feet below grade, and each probe will include a retractable tip that allows for landfill gas testing through the probe rod. Once landfill gas measurements are collected in one location, the probe will be removed and the investigation will continue at another location. A minimum of three probes will be advanced on or near a 100 foot radius line from each of the two probes with landfill gas exceedances. Based upon the landfill gas concentrations detected in each of the probes, additional probes may be advanced on or near the 200 foot radius line. If further investigation is warranted based upon the readings at these locations, additional probes may be advanced approximately 300 feet from the P-3 and P-7 probes.

As a result, the *Landfill Gas Investigation Work Plan* is approved as described for immediate implementation. Please provide the results of the investigation within a summary report within 30 days of the completion of the investigation.

If you have any questions or concerns regarding this letter, please contact me at 919-508-8500 or by email at jaclynne.drummond@ncdenr.gov.

Sincerely,



Jaclynne Drummond
Hydrogeologist
Environmental Compliance
Solid Waste Section

cc via email: Mark Poindexter, Field Operations Supervisor
Deb Aja, Western District Supervisor
Bill Wagner, Environmental Senior Specialist