



North Carolina Department of Environment and Natural Resources

Division of Waste Management

Dexter R. Matthews
Director

Pat McCrory
Governor

John E. Skvarla, III
Secretary

February 7, 2014

Mr. David Lambert
Iredell County Solid Waste Director
354 Twin Oaks Road
Statesville, NC 28625

Re: Appendix II Groundwater Monitoring Modification Request
Iredell County Subtitle D Lined MSWLF, Permit #49-03

Dear Mr. Lambert:

The Solid Waste Section (Section) has reviewed the *Request for Appendix II Groundwater Monitoring Modification* report prepared by Municipal Engineering Services Company, P.A. (MESCO). Assessment monitoring was initiated in 2009 after volatile organic compounds (VOCs) were reported above groundwater quality standards established in 15A NCAC 2L .0202 (2L Standards) in monitor wells MW-4A, MW-4B, MW-11, MW-13B, MW-14A, P2-10S, and MW-15D. Available information suggests that groundwater quality is not impacted beyond the relevant point of compliance. Assessment monitoring currently includes sampling for the full suite of Appendix II parameters in January and sampling for Appendix I parameters plus Appendix II detects in July.

Based on current groundwater analytical data, the extent of contamination appears to be confined within the relevant point of compliance. Appendix II monitoring has been conducted at 12 monitoring wells during the past four years and there have not been Appendix II exclusive detections above 2L Standards. In addition, groundwater flow velocity at the facility has been calculated to be approximately 48 feet/per year in a northerly direction toward the Fourth Creek tributary discharge feature. MESCO re-iterated that Iredell County owns and controls all property located between the waste boundary and discharge feature. In addition, a municipal water supply is available to surrounding residences. As a result, MESCO has requested to reduce the frequency of Appendix II monitoring to once every three years for monitoring wells MW-4A, MW-4B, MW-11, MW-13A, MW-13B, MW-14A, MW-14B, MW-15, MW-15D, and MW-37.

Iredell County's request to reduce the Appendix II monitoring frequency to once every three years is approved and additional modifications to the monitoring frequency may be considered depending on the results of the next Appendix II sampling event.

Please contact me at (919) 707-8288 or by e-mail at ervin.lane@ncdenr.gov if you have any questions or concerns regarding this letter. Thank you in advance for your anticipated cooperation in this manner.

Sincerely,



Ervin Lane
Hydrogeologist
Environmental Compliance
Solid Waste Section

cc: Jonathan Pfohl., Municipal Engineering Services Company, P.A.
Mark Poindexter, Field Operations Branch Head
Jason Watkins, Western District Supervisor
Teresa Bradford, Environmental Senior Specialist
Solid Waste Central Files