



May 3, 2012

Mr. Brian Wootton
 Solid Waste Section
 Division of Waste Management
 North Carolina Department of Environment and Natural Resources
 1646 Mail Service Center
 Raleigh, NC 27699-1646



JD # 16684

Re: RESPONSE TO ADDITIONAL INFORMATION REQUEST (DIN 16138)
 Permit to Construct Application – Phase 5 (17 acres)
Design Hydrogeologic Study
Water Quality Monitoring Plan
Landfill Gas Monitoring Plan
 Iredell County MSW Landfill
 Permit No. 49-03-MSWLF-1993
 MESCO Project: G08002.6

Dear Mr. Wootton,

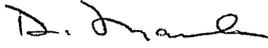
Pursuant to your letter of February 17, 2012 (DIN 16138), and our meeting today, Municipal Engineering Services Co., P.A. (MESCO) has revised the subject documents as required. In summary, these revisions include the following:

- 1) The project area has been scaled back to encompass Phase 5 only (17 acres), rather than Phases 5 and 6. As shown in the *Design Hydrogeologic Study*, appropriate modifications to the 250' compliance boundary have been made around the perimeter of Phase 5.
- 2) Hydrogeologic data acquired during the investigation of Phase 6 has been utilized in this revision where applicable. Wells, piezometers, and data collected in the proposed Phase 6 area will be used and incorporated into future work as the landfill expands.
- 3) Plate A of The Water Quality Monitoring Plan, and other tables and drawings have been revised as required. Revisions include detection groundwater sampling from MW-30 (P-31), P-84S/P-84D, P5-16, P5-14, P5-21S/P5-21D, MW-31 (P-79), P-81, MW-1A, MW-1B, MW-1C, and MW-25. Wells MW-33 (P5-8), MW-34 (P5-5), MW-35 (P5-1), MW-32S/MW-32D, P5-22, P5-20, P-77 will be excluded from sampling.
- 4) Within six months of issuing the Phase 5 Permit to Operate, four independent sampling events will be conducted using wells MW-30 (P5-31), P-84S/P-84D, P5-16, P5-14, P5-21S/P5-21D, MW-31 (P-79), and P-81. To establish a water quality baseline, one or more of these sampling events will occur prior to receiving waste. Following completion of the four initial sampling events, groundwater and surface water monitoring points will be sampled semi-annually for analysis of Appendix I contaminants.

Should you have questions, please contact Wayne Sullivan or me at (919) 772-5393.

Sincerely,

MUNICIPAL ENGINEERING SERVICES CO., P.A.



D. Mark Durway, L.G.
Geologist



Enclosures

cc: David Lambert, Solid Waste Director
Iredell County