TriAD
ENVIRONMENTAL CONSULTANTS

207 Donelson Pike
Suite 200
Nashville, TN 37214
615-889-6888
fax 615-889-4004

July 31, 2013

Alan Spear, P.G.
Geologist
Division of Solid Waste Management
Department of Environment and Conservation
711 R. S. Gass Blvd.
Nashville, TN 37216-2637

Re: Notification of Verified Statistically Significant Increases
July 2013 Assessment Monitoring Event
Rutherford County Landfill
Murfreesboro, Tennessee
Permit Nos. SNL#75-102-0103 and DML#75-102-0047

Dear Mr. Spear:

TriAD Environmental Consultants, Inc., (TriAD) has reviewed the analytical results of the July 2013 monitoring event conducted at the Rutherford County Landfill located in Murfreesboro, Tennessee. These results have detected statistically significant increases in monitored constituents, as described below.

As we discussed by phone on July 30, 2013, the results of the July groundwater monitoring event have verified historical reports of certain organic compounds at statistically significant concentrations over background at the Rutherford County Landfill. The July results show the following organic compounds:

MW-1: benzene, chlorobenzene, 1,1-dichloroethane, cis-1,2-dichloroethene, vinyl chloride

MW-2: cis-1,2-dichloroethene

MW-4R: benzene

MW-6A: chlorobenzene, 1,4-dichlorobenzene, cis-1,2-dichloroethene

Of the detected organic compounds, only vinyl chloride, at a concentration of 0.0024 mg/L, exceeded the Tennessee Rule 0400-11-01-.04(7) Appendix III Maximum Contaminant Level (MCL). A full description of the monitoring event and all data will be presented with the forthcoming monitoring report, currently in preparation.

Please note that the landfill is currently in assessment monitoring due to historical detections of similar organic compounds that were verified during the July 2013 event. However, recent changes in the groundwater monitoring system at the landfill, including redevelopment of all monitoring wells, replacement of the damaged MW-4, and installation of new, dedicated sampling pumps required a restarting of the groundwater monitoring program.

Please also note that although some inorganic compounds were detected during the July event, background concentrations of inorganic compounds have not yet been reestablished, making statistical evaluation of the inorganic results impossible. However, none of the inorganic compounds were detected at concentrations exceeding Appendix III MCLs.

We are submitting this letter to fulfill the requirements of Tennessee Rule 0400-11-01-.04(7)(a)5(iii), and a copy of this letter will be placed in the operating record. Please call me at your convenience should you have questions or need more information.

Sincerely,

TriAD Environmental Consultants, Inc.

Chris Scott, P.G.
Senior Hydrogeologist

cc: Mr. Mac Nolen, Rutherford County
Site Compliance File