

July 30, 2008

Mr. David Fugate, P.G., Geologist  
Knoxville Environmental Field Office  
Division of Solid Waste Management  
Tennessee Department of Environment and Conservation  
3711 Middlebrook Pike  
Knoxville, Tennessee 37921

TENNESSEE VALLEY AUTHORITY – KINGSTON FOSSIL PLANT – GYPSUM DISPOSAL AREA  
– IDL 73-0211 – JUNE 2008 GROUNDWATER MONITORING REPORT

Dear Mr. Fugate:

Please find enclosed the groundwater monitoring report containing the first set of baseline monitoring results for samples collected June 2, 3, and 5, 2008 at the subject facility. Laboratory data from the analyses of groundwater samples collected during this monitoring event is summarized in Table 1.

Analytical results indicated that constituent concentrations for all samples were below TDEC maximum contaminant limits (MCL). Well G6B was redeveloped on May 22, 2008 to reduce sample turbidity suspected of causing elevated levels of several metals including arsenic and lead in the unfiltered water samples collected on March 25, 2008. Results can be seen in Table 1.

Other supporting information with this submittal includes:

- A description of groundwater conditions at the time of sampling including a potentiometric surface map based on water-level measurements made on June 2, 2008, in wells located in vicinity of the facility (Figure 1).
- Field Data Sheets (Appendix A).
- Sample custody record (Appendix B).
- Laboratory Data Sheets (Appendix C).

*I certify this information was prepared by a system designed to ensure qualified personnel properly gathered and evaluated the information submitted. The information submitted is to the best of my knowledge and belief true, accurate, and complete.*

If you have questions regarding the report, please contact John Dizer at (423) 751-7636 or Cynthia McCowan at (865) 717-2180.

Cynthia M. Anderson  
Acting Manager  
Water, Waste, and Regulatory Programs  
5D Lookout Place

JED:PAB  
Enclosures  
cc (Enclosures):

J. M. Boggs, WT 9D-K  
R. C. Hall, KFP 1A-KST (w/o Enclosures)  
C. W. McCowan, KFP 1A-KST  
G. R. Signer, WT 6A-K (w/o Enclosures)  
EDM, WT CA-K

Prepared by J. Mark Boggs, reviewed by John Dizer  
p:\media files\solid waste\general\mike tritapoe Kif baseline GWM-Gypsum report July-08 jed.doc