



Tennessee Valley Authority, 1101 Market Street, Chattanooga, Tennessee 37402-2801

August 23, 2006

Mr. David Fugate, P.G.
Geologist
Knoxville Environmental Assistance Center
Division of Solid Waste Management
Tennessee Department of Environment
and Conservation
2700 Middlebrook Pike, Suite 220
Knoxville, Tennessee 37921-5602

**TENNESSEE VALLEY AUTHORITY – KINGSTON FOSSIL PLANT (KFP) – REPORT OF
GROUNDWATER MONITORING WELL CLOSURE**

Dear Mr. Fugate:

TVA has completed closure of groundwater monitoring well J1 at the KFP. This closure was necessitated due to impending road construction in association with the flue gas desulphurization (FGD) project at the plant. As we discussed, this well was not part of any current or previous regulatory activity at the facility.

As noted in the enclosed closure report, this activity was conducted by a State certified well driller and involved pulling the well casing, over drilling the borehole and backfilling using an expansive grout mixture. The above ground well features were removed and the ground surface was leveled using native soil.

If you have questions regarding the report, please contact Amos Smith at (423) 751-3522 or Linda Campbell at (865) 717-2157.

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.

A handwritten signature in black ink, appearing to read "Steven C. Strunk".

Steven C. Strunk
Acting Manager of Permitted Programs
5D Lookout Place

Enclosure

August 23, 2006

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Steven C. Strunk
Acting Manager of Permitted Programs
5D Lookout Place

ALS ALS:SMF
Enclosure
cc (Enclosure):

J. M. Boggs, WT 9C-K
L. F. Campbell, KFP 1A-KST
EDM, WT CA-K

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August 16, 2006

Tennessee Valley Authority
400 West Summit Hill Drive
WT9C
Knoxville, Tennessee 37902-1401

ATTENTION: Mr. Mark Boggs

Reference: **REPORT of MONITORING WELL ABANDONMENT**
Kingston Fossil Plant
Kingston, Tennessee
S&ME Project No. 1432-06-420

Dear Mr. Boggs:

S&ME, Inc. is pleased to submit this report of well abandonment services at the above referenced facility. Our services consisted of the abandonment of monitoring well J1 per TVA guidelines. The work was conducted in accordance with existing Contract No. 21706, Release 66, and as outlined in the Scope of Services presented in S&ME Proposal No. 3206613 dated August 2, 2006.

Monitoring well J1 was constructed of 4-inch diameter Schedule 40 PVC casing and screen, and was determined to be 29 feet in depth. The well abandonment, conducted on August 7, 2006, was accomplished by removing the protective steel cover/guard posts and concrete pad, overdrilling the 4-inch diameter well and surface casing by using 6.25" OD hollow stem augers, pulling the well and surface casing, and then tremie grouting the borehole with bentonite/cement grout from the bottom to within two feet of the top. The grout was mixed on-site with 95/5 cement to bentonite proportions and water. The ground surface at the well was leveled with native soil.

The well abandonment was completed under the supervision of Tim Hall, a well driller licensed in the State of Tennessee. The Well Abandonment Log is attached.

We appreciate the opportunity to work with you on this project. Should you have any questions, please call.

Sincerely,
S&ME, Inc.

George R. Patrick
Drilling Manager

Eric M. Solt, P.G.
Environmental Services Manager

Attachments: Well Abandonment Log

CC: Ms. Denise Hearn

Project: TVA's Kingston Fossil Plant Kingston, Tennessee		BORING		Monitoring Well J1 (Abandonmnet)	
Project No.: 1432-06-420		Elevation: Unknown		Notes:	
Logged by:		Overdrill Depth: 29"		Descriptions based on visual	
Crews: S&ME, Inc. (T. Hall- TN Driller #813)		Start: August 7, 2006		observation of obtained samples.	
Equipment: CME 55 with 6 1/4"		Complete: August 7, 2006			

Depth (ft)	Elevation (ft)	Lithology	Boring	Run Length	Recovered	% Recovered	RQD	Lithologic Description
1								
0	Unknown							Ground Surface
1								Overdrill - Grout, bentonite, sand (0.0' - 29.0')
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								
13								
14								
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Grout

