

Tennessee Valley Authority  
Regulatory Submittal for Kingston Fossil Plant

Documents submitted:

Technical Memorandum – Change in location of Air Monitoring Stations

Date Submitted:

4/7/2010

Submitted to whom

Leo Francendese

Concurrence

Received

Not Applicable

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Date *4/7/10*

EPA *Leo Francendese* \_\_\_\_\_

Date *4/8/10*

*consulted w/ TDEC*

cc:

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- David Stephenson, TVA
- Michelle Cagley, TVA
- Greg Signer, TVA
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- Katie Kline, TVA
- Dannena Bowman, EPA
- Jeff Gary, Jacobs
- Robert Pullen, Jacobs
- Craig Zeller, EPA

## **Technical Memorandum**

### **Change in location of Air Monitoring Stations**

**April 7, 2010**

#### Executive Summary

This technical memorandum identifies the need to remove the current PS06 and establish a new location PS13 to facilitate work outside the currently established air monitoring perimeter.

The sampling plan that is primarily affected by this memorandum is:

TVA Kingston Fossil Plant Ash Recovery Project, Time-Critical Action  
Site Dust Control and Air Monitoring Plan

A work plan has been developed for work proposed in the North Embayment, this work plan was submitted on March 29, 2010.

A review of this work plan showed that the majority of the work would take place outside of the established air monitoring perimeter. The monitor at PS06 was not properly sited to characterize the new work. And a change to the monitoring network was needed prior to initiation of work in the North Embayment.

TDEC, EPA, and TVA agreed that PS06 was redundant with respect to other work at the site. TDEC (Jackie Waynick), EPA Region IV (Greg Noah and Tim Slagle), and TVA (Dennis Yankee and R. L. Pope) agreed that PS06 would be discontinued and a new monitoring station PS13 would be established at the northernmost reach of the proposed work in the North Embayment. The site is in the direction of the prevailing winds at the site and between the work area and the nearest residences. The specific location at N 35deg 55.492, W 84deg 30.990 was inspected and accepted by all parties on April 3, 2010. TVA will install and operate a continuous PM2.5 FEM monitor at the location for the duration of the work. Raw data from the instrument would be posted to the "Dredge" website for use by the project Dust Control Operations. A discussion of PS13 is to be included in the Ambient Air Monitoring Plan, currently in revision.