**Tennessee Valley Authority**
**Regulatory Submittal for Kingston Fossil Plant**

**Documents submitted**
**Ash Movement East of Dike #2 Work Plan**

**Date submitted**
**5/22/2009**

**Submitted to whom**
**Leo Francendese, EPA**

**Concurrence**

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**Approvals**

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Consulted w/ TDEC (Chuck Head)

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## Ash Movement East of Dike #2 Work Plan

### 1.0 Purpose

As part of several on-going activities in the area east of Dike #2, ash is being temporarily disturbed. Activities include construction of a clean water discharge system consistent with the Interim Drainage Plan and Controls document approved on April 3, 2009. Some movement of ash is also occurring to ensure ash stability in the area so ash is not easily washed into the Emory River. Ash will also be moved to support construction of a new barge offloading facility and to allow equipment access to prepare the area for the large scale removal activities.

This work plan addressed how this disturbed ash, east of Dike #2 is being managed under these near term activities.

### 2.0 Design

There is no design for the ash movement.

### 3.0 Construction

The primary field work activity described in this work plan is the movement of ash in the East Embayment Area east of Dike #2. The ash may be recontoured in place to stabilize it. Ash moved from various activities may be piled in the same general vicinity as the point of generation, as room allows and the underlying material provides a suitable base for accessing equipment, and graded to prevent slope failure. Or the ash may be transported by articulating trucks and stockpiled west of Dike #2 in a stable configuration or the ash may be transported to the ash processing area. Stockpiled ash may also be used in the future to support ash stability testing in the dredge cell (under separate work plan approved for the test).

The total volume of ash moved by truck or recontoured cannot be estimated as it will depend on field conditions and suitability of nearby stacking which is weather dependent. However, roughly 20,000 cy of ash are anticipated to be relocated as described above for a barge offloading area.

### 4.0 Schedule

The schedule for completing the clean water diversion system is September 2009. It is possible that ash may need to be moved throughout this time frame. The barge offloading area will be prepared by the end of May.

### 5.0 Waste Management

Ash is the waste generated and its handling is addressed in Section 3.0.

## 6.0 Health and Safety

The activities in this work plan will follow the site-wide health and safety plan. Of primary concern will be dust generation which will be controlled through use of water trucks and Flexterra. Personal hygiene efforts will be used also to control exposure to ash.