

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

**Documents submitted:**

**Aquarius Debris Removal Demobilization Plan Decontamination of AM 501 and AM504,  
Final**

**Date Submitted:**

**12/03/2010**

**Submitted to whom**

**Leo Francendese, EPA**

**Concurrence**

Received      Not Applicable

TVA

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Kathryn Nash  
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**Approvals**

TVA

*Steve McCracken*  
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Date 12/03/10

EPA

*Leo Francendese*  
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Date 12/03/10

cc:

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- Jack Howard, Jacobs
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- Greg Signer, TVA
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- Katie Kline, TVA
- Dannena Bowman, EPA
- Robert Pullen, Jacobs



RAWP-074A

**Kingston Ash Recovery Project  
Time-Critical Removal Action**

**Addendum to the  
Aquarius Debris Removal Demobilization Plan  
Decontamination of AM501 and AM504**

**Prepared by:  
Jacobs**

**for the Tennessee Valley Authority**

<b>Revision</b>	<b>Description</b>	<b>Date</b>
0	Work Plan Addendum for TVA Review	August 12, 2010
1	Work Plan Addendum for TVA Review	August 30, 2010
2	Work Plan Addendum for TVA Review	September 9, 2010
3	Work Plan Addendum for TVA Review	November 29, 2010
Final	Work Plan Addendum for EPA Approval	December 2, 2010

## **Addendum to the Aquarius Debris Removal Demobilization Plan Decontamination of AM501 and AM504**

### **1 Assumptions**

- The steps listed will be repeated for each barge.
- These items may be in progress on each barge or on both barges in different states of progression.
- Work is anticipated to begin the week of December 6, 2010.

### **2 Unloading**

- The barges will be unloaded of ash and other materials. The remaining solidified ash will be scraped up with the skid steer and/or shovels and brooms (depending on the level) and removed from the barge with the crane. A clam bucket will be used for this process. These items have an approved step text in place.
- A final wash down of the decks and hopper will be completed using a fire hose and high pressure pump to remove any remaining ash. The wash water will be removed using a vacuum truck and disposed of in the Lateral Expansion.

### **3 Onsite Void Decontamination and Repair**

- In the contaminated voids the downhill side with the ash contamination will have the hopper side cut out from floor/wall transition (corner) to the 2-foot mark just below the lowest horizontal frame member. This will open up the void area for ash removal.
- Precast concrete ballast blocks will be set on downhill side of barge on hopper floor to maintain the side to side list for slurry creation.
- The ash will be converted to slurry with fire hoses and the slurry will be pumped by a vacuum truck and disposed of in the Lateral Expansion. The remaining solidified ash will be scraped up with the skid steer and/or shovels and brooms (depending on the level) and removed from the barge with the crane. A clam bucket will be used for this process.
- When the ash is removed from the void areas, the barge will be inspected by representatives from TVA Environmental and Jacobs Construction Management Team for approval. Once ash decontamination of the barge voids and exterior surfaces is completed and approved, the barge will be transported to the shipyard for repairs.