

Tennessee Valley Authority
Regulatory Submittal for Kingston Fossil Plant

Documents submitted:

North Embayment Ash Consolidation Work Plan, Revision 4

Date Submitted:

03/29/2010

Submitted to whom

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Date

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North Embayment Ash Consolidation Work Plan, Revision 4

1.0 Purpose of Work

This work plan is to consolidate ash from two outlying areas in the North Embayment to a more centralized area where it can be dried and graded. The quantity of ash estimated to be relocated is 125000 CY and area cleaned is approximately 16.7 ac.

The areas to be consolidated are:

- (1) Along the edge of the existing public roads (Swan Pond and Swan Pond Circle). This material is piled on the banks from the original spill and is located outside the dirty water ditch along these roads. The project will excavate these areas to move the material from outside of this ditch for drying purposes. This would also allow the project to isolate the fresh water springs that flow into the ditch along this embankment. This water is considered clean until it flows into the ditch and if it can be isolated then it may be directed to the clean water ditch system and out of the ash to help in drying.
- (2) The area in the far northern reaches of the embayment. This area is relatively shallow and is located under TVA high voltage lines. The consolidation of this material would allow it to dry prior to final disposition per the EE/CA. Moving the material now would also aid in re-directing the spring water captured in number 1 above.
- (3) The removed ash will be placed atop of the existing ash in the North Embayment. The placement will be in 2' lifts and walked in with track equipment to aid in drying of the material.
- (4) Once the ash is removed the areas will be isolated to prevent recontamination.

2.0 Design Components

Once the material has been consolidated a design for capturing the springs will be instituted.

Air monitoring station 6 will be relocated to the north to better serve the area. Hand held monitoring will be used as coordinated with EPA. The movement of the air monitoring station will be coordinated with EPA.

After removal of the ash from these areas a sampling plan will be developed and implemented to verify the areas are clean, where feasible.

3.0 Construction Management

The construction will be accomplished with amphibious track hoes, dozers, and trucks.

4.0 Schedule

The activity would begin as soon as possible and continue until the material has been consolidated.

5.0 Waste Management

No waste will be generated by this work.

6.0 Health and Safety

All construction activities will be done in accordance with the site-wide Health and Safety Plan. All construction activities under and around high voltage utility lines will be done in accordance with Section 4.4.7.2 of the Site-Wide Health and Safety Plan and TVA Safety Manual Procedure 1018.



B	3/29/10	DESIGNED FOR CONSTRUCTION
A	3/15/10	DESIGNED FOR CONSTRUCTION

SCALE	
JACOBS	
KINGSTON FOSSE PLANT	
TENNESSEE VALLEY AUTHORITY	
LIMITS OF ASH CONSOLIDATION	
PROJECT NO.	10F-SK-080
DATE	3/29/10
BY	SK
CHECKED BY	SK
APPROVED BY	SK