

Tennessee Valley Authority
Regulatory Submittal for Kingston Fossil Plant

Documents submitted:
Clean Water Ditch in the East Embayment Work Plan

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Clean Water Ditch in the East Embayment Work Plan

1.0 Purpose of Work

The objective of this work plan is to revise the method that the clean water is separated from the dirty water in the East Embayment to save implementation time.

2.0 Design Components

The existing design for the clean water ditch in the East Embayment calls for the use of floating curtain to separate the clean water from the ash.

As a part of the work plan to remove the ash from the east embayment, the proposed method of excavation is to leave a berm between the clean water and the area of ash to be excavated. This berm would be ash material left in place.

The revision would be to eliminate the floating curtain and replace it with a Portadam material that would lay in the bottom of the clean water ditch, extended to the top of ash berm that remains. This material would be held down with sand bags.

This revision would perform the same function as the curtain, which is to eliminate the clean water from running over the ash and potentially carrying ash to the Emory River.

The area being excavated would have the water removed by pumping to maintain a head difference from the clean water ditch to the ash area thus helping to hold the material in place.

3.0 Construction Management

The construction will be accomplished by the Portadam vendor forces.

4.0 Schedule

The schedule of the construction would be as follows:

3 weeks to manufacture the material once the order is placed.

1 week to install the material.

The 4 week schedule compares to a 90-day schedule that is currently needed to procure and install the floating curtain. Nearly 2 months of schedule delays would be avoided by this revised method.

5.0 Waste Management

The waste generated by this work plan is anticipated to only be normal construction waste.

6.0 Health and Safety

All construction activities will be done in accordance with site-wide Health and Safety Plan.