



**U.S. Environmental Protection Agency
Non-Time Critical Removal Action Scope
Engineering Evaluation/Cost Analysis Work Plan
Fact Sheet
TVA Kingston Fly Ash Release Site
Harriman, Roane County, Tennessee**

October 2009

This fact sheet is intended to keep the community informed about progress at the TVA Kingston Fly Ash Release Site. This fact sheet announces the release of the non-time critical removal action scope for the Engineering Evaluation/Cost Analysis Work Plan.

What is an Engineering Evaluation/Cost Analysis (EE/CA) Work Plan?

An Engineering Evaluation/Cost Analysis is a study conducted as part of the removal process to collect necessary data to determine the type and extent of contamination at a site and evaluate alternatives for addressing this contamination. The EE/CA for the Kingston Fly Ash Release Site is being conducted under the Comprehensive Environmental Response, Compensation and Liability Act (CERCLA).

Alternatives are removal action activities that are evaluated using the following criteria for:

- Implementability
- Effectiveness
- Cost
- Acceptance by the regulatory agencies and the community.

Why is an EE/CA necessary for the Kingston Fly Ash Release Site?

An EE/CA work plan was developed for the Kingston Fly Ash Release Site to address the non-time critical removal action for the area west of Dike #2. The EE/CA process will include comprehensive environmental sampling and analysis, quantitative human health and ecological risk assessment, and development of a range of clean-up alternatives. The EE/CA work plan was prepared to address the unacceptable risks posed by the fly ash release. Once the EE/CA is approved by the regulatory agencies and finalized, TVA will implement the selected removal actions for the area west of Dike #2.

The alternatives proposed in the EE/CA work plan were developed to comply with the §404 (b) Clean Water Act (paragraph 34b of the AOC) to restore the area west of Dike #2. The EE/CA work plan outlines how TVA will get the area west of Dike #2 to back to pre-spill conditions, and mitigate any short and long term loss of natural resources due to the fly ash release.

Why is the non-time critical removal action being implemented while the time-critical removal actions are underway?

Currently the time-critical removal action activities are underway and anticipated to be completed in the spring of 2010. The implementation of the non-time critical removal action is to be “shovel ready” when the time-critical removal action activities are completed. The non-time critical removal action is going to be split into two removal actions, one for the area west of Dike #2 and the other for residual ash in the Emory, Clinch and Tennessee River system. This EE/CA addresses the non-time critical removal action for the area west of Dike #2. The non-time critical removal action for the Emory, Clinch and Tennessee River system will be addressed separately.

The three alternatives that are being considered in the EE/CA work plan for the area west of Dike #2 are:

Alternative 1: Excavation of 2.7 million cubic yards of fly ash west of Dike #2 with off-site disposal. Restoration to pre-spill conditions and the closure of the failed dredge cell. Some improvements will be made to the perimeter dikes to contain displaced material. Long term monitoring will be conducted once the removal action is complete.

Alternative 2: Excavation of 6.3 million cubic yards of fly ash with off-site disposal. Restoration to pre-spill conditions and the dredge cell will be graded to a gradual slope and closed. Long term monitoring will be conducted once the removal action is complete.

Alternative 3: Excavation of 2.7 million cubic yards of fly ash for the area west of Dike #2 with on-site disposal in the closed out dredge cell. There will be no fly ash material disposed of off-site for alternative 3. Major improvements will be made to the perimeter dikes to contain displaced material. Restoration to pre-spill conditions and long term monitoring will be conducted once the removal action is complete.

Path Forward for the EE/CA Work Plan

Public Comment Period: The public comment period for the EE/CA work plan began on October 21, 2009 and continues through November 20, 2009. EPA encourages the public’s input on the EE/CA work plan. EPA asks that the public submit comments on the EE/CA work plan before the comment period closes on November 20, 2009. Comments may be mailed or e-mailed to: TVA P.O. Box 40 Kingston, TN 37763-0400 or kingstoncomm@tva.com

After the 30-day comment period, written responses to EE/CA Work Plan comments will be addressed in a responsiveness summary and placed into the Administrative Record. Public comment will be incorporated into the Final EE/CA work plan.

ADDITIONAL INFORMATION RESOURCES

For more information on the TVA Kingston cleanup:

SEE THE WEBSITE: www.epakingstontva.com

CONTACT YOUR EPA TEAM

Remedial Project Manager
Craig Zeller, (404) 562-8827;
zeller.craig@epa.gov

Community Involvement Coordinator
Stephanie Y. Brown, (865) 717-1634;
brown.stephanieY@epamail.epa.gov

VIEW THE **EE/CA WORK PLAN** AT ONE OF THE **INFORMATION REPOSITORIES**:

TVA Outreach Center
509 N. Kentucky Street
Kingston, TN 37763-2630
(865) 632-1700

Harriman Public Library
601 Walden Street
Harriman, TN 37748-2506
(865) 882-3195

Kingston Public Library
1004 Bradford Way
Kingston, TN 37763-3100
(865) 376-9905

Comments on the EE/CA Work Plan may be mailed or e-mailed
no later than November 20, 2009 to:

TVA
P.O. Box 40
Kingston, TN 37763-0400
kingstoncomm@tva.com