

Allen Fossil Plant Ash Management

Shelby County, Tennessee

The east pond at the Tennessee Valley Authority's Allen Fossil Plant is used to receive sluiced boiler slag and fly ash. Currently, Reed Minerals reclaims most of the boiler slag and processes it for use in industrial abrasives. Most of the ash deposited in the east pond is either fly ash or slag fines not reclaimed by Reed Minerals. In order to maintain its current volume, it has been necessary to construct a temporary dredge cell within this pond to receive ash hydraulically dredged from the rest of the pond. Dredged ash is being reclaimed from the dredge cell for other small structural fill projects in the vicinity of the plant. This process works currently, but the dredge cell could fill up within the next 24 months.

TVA must decide whether to: (1) continue this strategy for managing the ash generated at Allen to the east pond on easement property, or (2) develop a different strategy for management of the ash. TVA has evaluated alternatives for utilization or disposal of the ash as well as off-site disposal at a local landfill. Based on the alternatives analysis, TVA prefers an alternative (Alternative C) that utilizes the ash for structural fill inside Ensley Levee to reinforce the infrastructure of Pigeon Industrial Park.

Document

PDF files require [Adobe Acrobat Reader](#).

[Environmental Assessment](#) (PDF, 634 kb)

[Finding of No Significant Impact](#) (PDF, 88 KB)

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