

Kingston Ash Spill One-Year Progress



TVA remains committed to the continued restoration and recovery of the Kingston ash spill site.

ASH REMOVAL

- More than 2 million cubic yards of the ash spilled into the Emory River has been removed. Current dredge operations remove the ash at a rate of about 15,000 to 20,000 cubic yards per day.
- The Emory River remains closed from river mile 1.5 to 3.0 as a safety precaution. Because three dredges are sometimes working around the clock, the area is not safe for recreational boating and swimming. The river closure will be reevaluated as the situation changes.

ASH DISPOSAL

- More than 110 trains have left the site, removing ash recovered from the Emory River. More than 1 million tons of ash have been placed in the Arrowhead Landfill in Perry County, Alabama.
- The train cars are loaded, handled and transported using special procedures to ensure that ash dust does not become a problem for nearby residents or those along the rail route.

AIR MONITORING

- TVA has five fixed-location monitoring stations around the perimeter of the plant and spill site, and one off-site monitor collecting background levels.
- More than 142,000 air samples have been collected, using methods approved by the Environmental Protection Agency (EPA). All air samples collected indicate that the air quality is better than the National Ambient Air Quality Standards.

- Some monitoring stations collect samples that are sent for chemical analysis by qualified laboratories. These samples are analyzed for substances known to be in coal ash, with arsenic being a primary indicator. To date, neither arsenic nor any other potentially damaging material has been detected at harmful levels.
- EPA and the Tennessee Department of Environment and Conservation are conducting air sampling concurrently with TVA. Data and testing results from all three agencies have been consistent.

WATER MONITORING

- TVA has more than 112,000 results from water quality samples taken from public drinking-water supplies, private wells, river water near the ash spill, local springs, and multiple locations downstream.
- All drinking-water samples from Rockwood, Harriman, Cumberland, and Kingston continue to meet drinking-water quality standards.
- Although river-water samples do not have to meet stringent drinking-water standards, sampling results indicate that they do.

FACTS ABOUT THE RECOVERY OPERATIONS

Ash removed from the river

More than 2 million cubic yards

Ash transported to Arrowhead Landfill

More than 1 million tons

Workers on site

About 500

Project costs incurred through fiscal year 2009

\$231 million