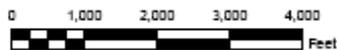


# KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT March 28 – April 3, 2011

Aerial Image of Kingston Ash Slide (02/16/2011)



Date of imagery: 02/16/2011

Filename: Image016\_20110216\_011.pdf

Tennessee Valley Authority  
Geographic Information & Engineering

Prepared by:  
Mary McDermott

Issue (Date/Time)  
04/06/2011 10:24:02 AM

# KINGSTON ASH RECOVERY PROJECT

## WEEKLY REPORT

March 28-April 3, 2011

### HIGHLIGHTS

- Completed the Time Critical On-Scene Coordinator Report. It was approved by EPA in consultation with TDEC.

### SAFETY

- Nine (9) site specific HSE orientations were conducted for the week – 1,847 to date. One hundred ninety-nine (199) HSE site orientation refresher courses have been conducted this year.
- Eighteen (18) Safety Observation Reports were submitted for the week – 1,774 to date; 1,772 have been closed.
- The last recordable incident occurred on December 22, 2010.

### INFRASTRUCTURE/ASH MANAGEMENT

- Efforts for site maintenance, dust control, and HAZWOPER control continued.
- Continued recovering cenospheres from the onsite ponds.

### STILLING POND DREDGING

- No activity.

### TIME CRITICAL ASH DISPOSITION

- All shipment and disposal tonnage data is now final.
- Project closure documentation and records turnover is underway.

### ASH SLURRY & POND TSS CONTROL

- TVA Civil Projects' dragline did not operate during the week. No ash was removed from the Sluice Trench.
- TSS sampling was performed throughout the ash slurry system. The Sluice Trench levels increased from an average of 115 mg/L the preceding week (0 units on line) to an average of 5,255 with four (4) units operating.
- Stilling Pond TSS averaged 5.4 for the week and polymer addition rates were adjusted for flows from KIF plant operating with four (4) units.

### BALLFIELD OPERATION

- S & S Railroad Construction completed removal of rails and associated metal parts from the site.
  - Work performed by S & S this week was scrap haulage of removed material.
  - Checklist of remaining work area was completed and released.
- Lime processed material was hauled from the Ballfield during the week and mass balance calculations indicate that only contouring to 770' remains to establish Ballfield operation for Phase 1 of Interim Ash Stacking area for Plant Ash Disposition.

### SKIMMER WALL

- No activity.

### DIKE REINFORCEMENT

- Completed approximately 4,150 feet of buttress (78% complete).
- Provided responses to EPA comments on the bridge removal.
- Received comments from EPA on Segment B Part 1 and began working on response to the concern of construction through the skimmer wall peninsula area.

## ROUTINE MONITORING

### Surface Water Sampling

- There were no rainfall events that triggered storm flow sampling for the week ending April 1, 2011.
- Daily pH readings continued in the Dirty Water Ditch and the Settling Ditch to monitor conditions during wall construction pilot testing.

### Air Sampling

- All air monitoring results for the week ending April 1, 2011 from TVA air samplers were below the current Ambient Air Monitoring Plan (AAMP) action levels.

### Data Management

- The NTCRA EECA technical memorandum for amphibians is undergoing internal review.
- The NTCRA EECA technical memorandum for heron, goose, and osprey eggs is undergoing internal review.

### Biota Sampling

- Goose egg sampling initiated the week of April 1, 2011.

### River System EE/CA Sampling and Analysis

- Ash deposition and submerged sediment sampling continued in Emory River Reach C this week.
- Replenishment water collection continues in from CRM 7.0 in support of the first round of bulk sediment bioassay testing from the Clinch River.

### Non-Routine Sampling

- None to report.

## DREDGE CELL

- Rain impacted ash stacking for the week, and very little ash was stacked.
- TVA Civil Projects stacked 9,603 CY in the Dredge Cell for the week.
- Continued mobilization for the perimeter stabilization wall demonstration test. Submitted Quality Control Plan for the demonstration test to the Regulators for review. Conducted an initial shake-down of batch plant operations.

## LATERAL EXPANSION

- Stantec delivered the 90% ash stacking design for the Lateral Expansion.
- Stantec continued drilling and installation of the geotechnical instrumentation.

## PLANT ASH DISPOSITION

- TVA Civil Projects dragline did not operate during the week.

## EMBAYMENT ASH PROCESS

- TVA Civil Projects excavated and hauled 10,470 CY of ash from the North Embayment.

## COMMUNICATIONS

### Communications

- Added Weekly Report and Weekly Area Resident Update to Kingston Ash Recovery website.
- Sent weekly update to the CAG, public officials and members of the public who have signed up to receive weekly emails.
- Updated Administrative Record with work plans and relevant documents.
- Continued to respond to calls and visits from residents.
- Updated submission to Jacobs Engineering Sustainability Report on Educational Initiative classes.
- Completed special edition of Inside the Cell newsletter highlighting severe weather actions and evacuation routes and submitted for printing.
- Completed edits for the On Scene Coordinator report.

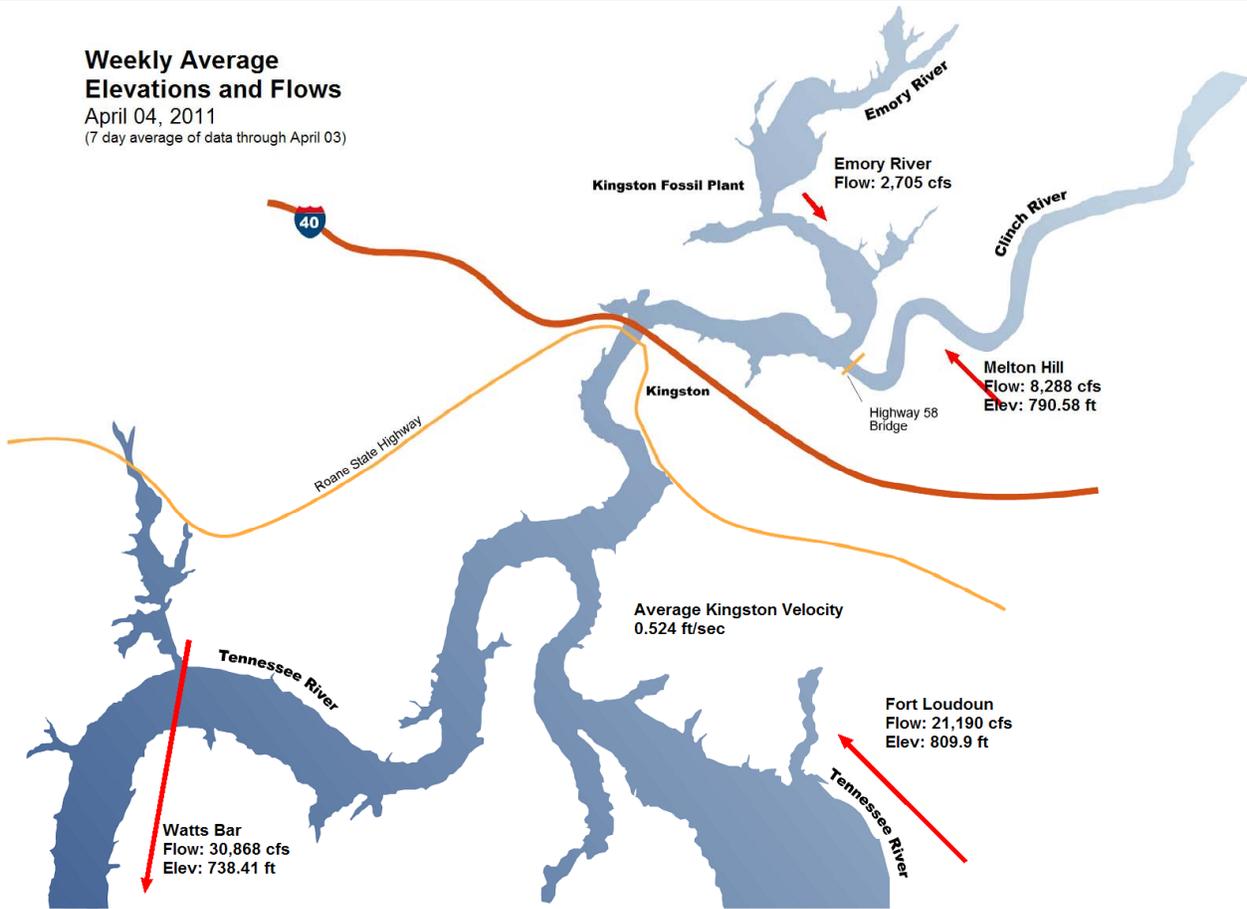
### Outreach

- Hosted Tellico Plains High School (future business leaders) for overview of the project and a site tour from outside the exclusion zone.

# RIVER OPERATIONS

## Weekly Average Elevations and Flows

April 04, 2011  
(7 day average of data through April 03)



Kingston Ash Recovery Project		Date: March 28 – April 3, 2011		Field Report	
<b>Safety</b>			<b>Weekly Total</b>	<b>FY - Cumulative Total</b>	
Near Misses			0	0	
First Aid Incidents			0	8	
Recordable Incidents			0	2	
Recordable Lost Time Incidents			0	0	
<b>Environmental</b>					
<b>Org</b>	<b>Matrix</b>	<b>Samples*</b>	<b>Analyses*</b>	<b>Results*</b>	
TVA	Air - Real-Time (Final)	--	--	267,188	
TVA	Air – Fixed	4,306	--	6,401	
TVA	Surface/Utility Water	5,281	45,605	223,285	
TVA	Ground Water (spring and well)	176	1,761	7,184	
TVA	Ash	78	104	1,689	
TVA	Soil/Sediment	642	1,197	8,494	
TVA	Biota	2,647	6,125	71,913	
*Week Ending 03/31/11					
<b>Ash Removal / Excavation</b>	<b>Non-Time-Critical</b>			<b>Weekly Total</b>	<b>Cumulative Total*</b>
From West Storage TC to Dredge Cell	Estimated CY (modified to an in-place volume) Time Critical			0	17,834
Mid Embay to Dredge Cell	Estimated CY (modified to an in-place volume)			0	173,702
North Embay to Dredge Cell	Estimated CY (modified to an in-place volume)			3,920	152,336
From Dredge Cell	Estimated CY (modified to an in-place volume)			0	5,336
From Mid-Embay to Ball Field	Estimated CY (modified to an in-place volume)			0	33,871
From North Embay to Ball Field	Estimated CY (modified to an in-place volume)			1,576	47,075
From Mid Embay to Lateral Expansion	Estimated CY (modified to an in-place volume)			0	27,328
From North Embay to Lateral Exp	Estimated CY (modified to an in-place volume)			4,976	13,633
From North Embay to Mid Embayment	Estimated CY (modified to an in-place volume)			0	3,198
<b>Ash Stacking</b>	<b>Non-Time-Critical</b>			<b>Weekly Total</b>	<b>Cumulative Total*</b>
Subgrade Recontouring Central Dredge Cell (Cell 3)	Estimated CY (modified to an in-place compacted volume)			0	30,930
Subgrade Recontouring North Dredge Cell (Cell 2)	Estimated CY (modified to an in-place compacted volume)			0	3,198
Subgrade Recontouring Lateral Expansion (Cell 2)	Estimated CY (modified to an in-place compacted volume)			0	0
Ash Stacking Central/North Dredge Cell (Cells 2 & 3)	Estimated CY (modified to an in-place compacted volume)			9,603	352,013
Ash Stacking South Dredge Cell (Cell 1)	Estimated CY (modified to an in-place compacted volume)			0	0
Ash Stacking Lateral Exp (Cell 4)	Estimated CY (modified to an in-place compacted volume)			0	0
Ash Stacking Ash Pond	Estimated CY (modified to an in-place compacted volume)			0	0
Ash in Temporary Storage	Estimated CY (modified to an in-place compacted volume)			-764	28,381

