

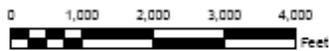
KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

January 3-9, 2011

Aerial Image of Kingston Ash Slide (11/22/2010)



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Date of imagery: 11/22/2010
Surrounding area: 07/23/2010

Tennessee Valley Authority
Geographic Information & Engineering

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KINGSTON ASH RECOVERY PROJECT

WEEKLY REPORT

January 3-9, 2011

HIGHLIGHTS

- Ash stacking activities in the Central Dredge Cell placed 20,043 CY which is 4,000 CY above the Baseline.
- The Skimmer Wall contractor, Aquarius Marine, completed all decontamination of equipment and is leaving the site.

SAFETY

- Three (3) site specific HSE orientations were conducted for the week – 1,752 to date. One hundred ninety-seven (197) HSE site orientation refresher courses have been conducted to date.
- Five (5) Safety Observation Reports were submitted for the week – 1,592 to date; 1,591 have been closed.
- The last recordable incident occurred on December 22, 2010 when a laborer became stuck in the wet ash and experienced back pain. The incident investigation continues.

INFRASTRUCTURE/ASH MANAGEMENT

- Efforts for site maintenance, dust control, and HAZWOPER control continued.
- Continued recovering cenospheres from the onsite ponds.
- Mayse Construction completed all utility installations, connections, and testing of the gas and water lines. Demobilization activities continued. Turnover of the last water line is awaiting chemical test results. As-built drawings are complete and are in the process of being distributed to TVA and the utilities.

STILLING POND DREDGING

- The TVA 10" dredge operated 32.5 hours during the week. Dredged slurry was discharged to the Lateral Expansion.

ASH DISPOSITION

- Phillips & Jordan continued clean-up and demobilization activities at the landfill site.
- Awaiting comments regarding the draft On Scene Coordinator (OSC) Report. Making revisions based on comments received from the TVA team.

SKIMMER WALL

- Aquarius Marine, LLC completed decontamination of ash in the barge inner shell from dredging operations. Aquarius is in the process of leaving the site.

DIKE REINFORCEMENT

- Approximately 2,960 feet of buttress have been completed.
- Jacobs continued to monitor the dikes at Kingston on a daily basis.

ROUTINE MONITORING

Surface Water Sampling

- Automated samplers have been deployed at two locations in the Clinch River, three locations in the Emory River, and in the Swan Pond Embayment Clean Water Ditch in accordance with the NTCRA Surface Water Monitoring Plan. The samplers on the Emory and Clinch Rivers will be activated whenever local rainfall exceeds 1" in a 24-hour period and/or flow on the Emory River at Oakdale exceeds 10,000 cubic feet per second (cfs). The automated sampler in Swan Pond Embayment is activated whenever local rainfall exceeds 0.5" in a 24-hour period. There were no rainfall events that triggered storm flow sampling for week ending January 7, 2011,
- Swan Pond Embayment surface water sampling continues routinely once per week at two locations along the Swan Pond Embayment drainage. A weekly Stilling Pond sample is also being collected.

Air Sampling

- All air monitoring results from TVA air samplers were below the current Ambient Air Monitoring Plan (AAMP) action

levels.

- TVA operates five PM2.5 Beta Attenuation Monitors (BAMs) and one PM10 Tapered Element Oscillating Microbalance (TEOM) 24/7 at fixed stations encircling the KRP. These monitors output hourly gravimetric PM concentrations. BAM gravimetric PM concentrations are posted to the KRP regulator's webpage. TVA also collects filters for PM2.5 gravimetric lab analysis from one BGI sampler, filters for metals analyses from two HiVolume PM10 samplers and two Total Suspended Particulate (TSP) samplers, and filters for silica analysis from two low volume SKC samplers. All the filter samplers are 24-hour samples, located at PS07 (peninsula next to east embayment), and follow the 1/3 day EPA air quality schedule.

Data Management

- Electronic data deliverables are flowing into the Equis database.
- Data validation continues for electronic data packages received from the laboratories.

Biota Sampling

- None to report.

River System EE/CA Sampling and Analysis

- Ash deposition and submerged sediment sampling was initiated on October 18. Sampling for ash deposits and submerged sediments has been completed in the two Tennessee River reaches.
- Ash deposit and submerged sediment sampling continues in Clinch River Reach B (CRM 4.5 to 3.0) per the River System Sampling and Analysis Plan.
- Ash deposit and submerged sediment sampling will continue through the month of January.
- Seasonally exposed sediment was not able to be conducted this week due to the high water levels from the previous week's storm.
- Pore water sampling field tests were conducted on January 6. The pore water tests are being conducted to determine the quantity of sample required to yield sufficient pore water for the required analyses.

Non-Routine Sampling

- None to report.

DREDGE CELL

- Continued to stack ash in areas where subgrade conditions were adequate. TVA Civil Projects stacked 20,043 CY of ash from the North and Middle Embayments.

LATERAL EXPANSION AND ASH POND

- TVA Civil Projects transported and stockpiled 12,280 CY of ash from the North and Middle Embayments for drying for future placement of stacked ash.

PLANT ASH DISPOSITION

- No Plant ash recovery or processing was performed.

EMBAYMENT ASH PROCESS

- TVA Civil Projects excavated and hauled over 42,000 CY of ash from the North and Middle Embayments for stacking in the Central Dredge Cell or stockpiling for additional drying in the Lateral Expansion and Ballfield.

COMMUNICATIONS

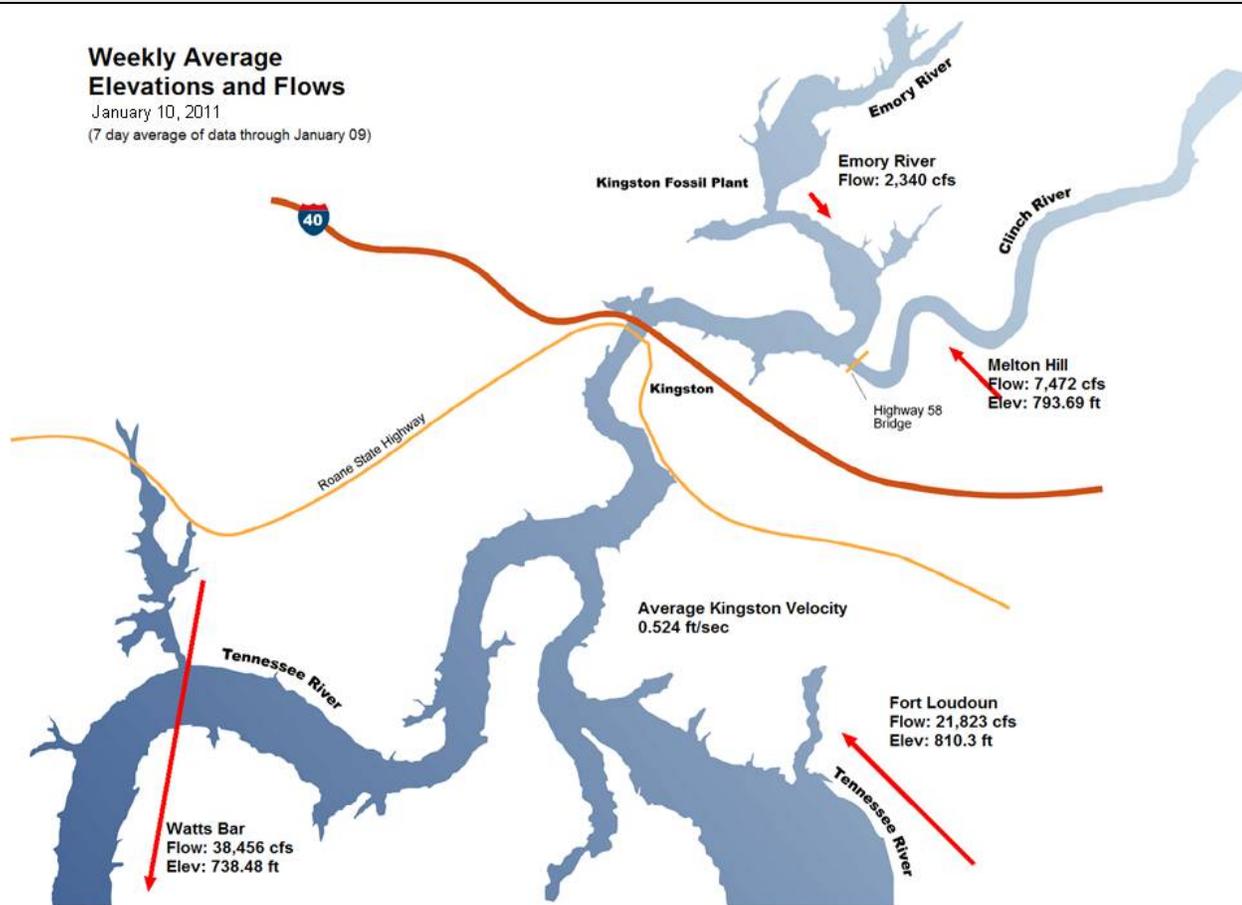
Communications

- Added Weekly Report and Weekly Area Resident Update to Kingston Ash Recovery website.
- Sent the weekly update to the CAG, public officials and members of the public who have signed up to receive weekly emails.
- Changed the website content to reflect site progress and updated environmental data.
- Set up planning session for third in a series of Educational Initiative classes for area high schools.
- Updated the Administrative Record with work plans and relevant documents.
- Continued to respond to calls and visits from residents.

RIVER OPERATIONS

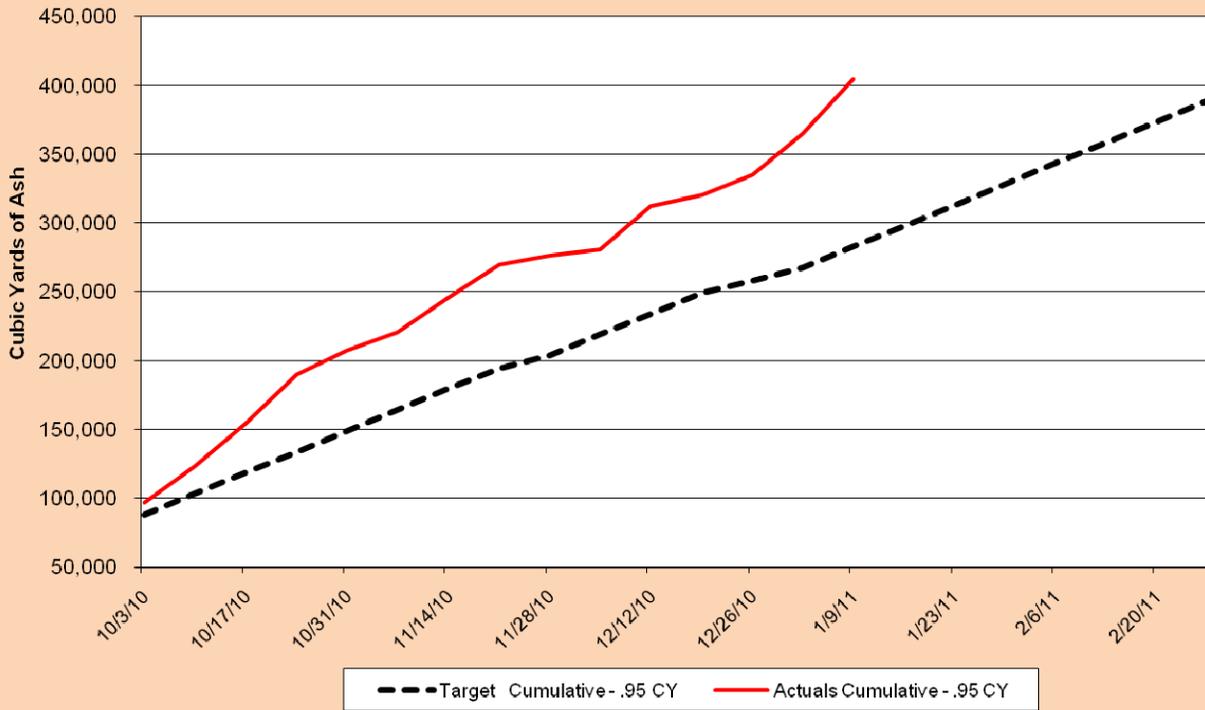
Weekly Average Elevations and Flows

January 10, 2011
(7 day average of data through January 09)



Kingston Recovery Project		Date: January 3-9, 2011		Field Report	
Safety			Weekly Total	FY - Cumulative Total	
Near Misses			0	0	
First Aid Incidents			0	3	
Recordable Incidents			0	2	
Recordable Lost Time Incidents			0	0	
Environmental					
Org	Matrix	Samples*	Analyses*	Results*	
TVA	Air - Real-Time (Final)	--	--	267,188	
TVA	Air – Fixed	3,762	--	5,531	
TVA	Surface/Utility Water	5,078	44,075	215,463	
TVA	Ground Water (spring and well)	156	1,602	6,550	
TVA	Ash	77	102	1,673	
TVA	Soil/Sediment	362	753	5	
TVA	Biota	2,415	5,306	64,617	
*Week Ending 01/06/11					
Ash Removal / Excavation	Non-Time-Critical			Weekly Total	Cumulative Total
Middle Embayment	Estimated CY (modified to an in-place volume)			961	242,485
North Embayment	Estimated CY (modified to an in-place volume)			23,174	69,040
From Dredge Cell	Estimated CY (modified to an in-place volume)			0	7,150
From West Storage (TC)	Estimated CY (modified to an in-place volume)			0	23,896
From Mid-Embayment to Ballfield	Estimated CY (modified to an in-place volume)			2,445	46,078
From North Embayment to Ballfield	Estimated CY (modified to an in-place volume)			4,431	12,394
From Mid Embayment to Lateral Expansion	Estimated CY (modified to an in-place volume)			8,695	33,273
From North Embayment to Lateral Exp	Estimated CY (modified to an in-place volume)			2,592	6,103
Ash Stacking	Non-Time-Critical			Weekly Total	Cumulative Total
Subgrade Recontouring Central Dredge Cell (Cell 3)	Estimated CY (modified to an in-place compacted volume)			0	41,444
Ash Stacking Central/North Dredge Cell (Cells 2 & 3)	Estimated CY (modified to an in-place compacted volume)			20,043	255,077
Ash Stacking South Dredge Cell (Cell 1)	Estimated CY (modified to an in-place compacted volume)			0	0
Ash Stacking Lateral Expansion (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 Placement in Temporary Storage	Estimated CY (modified to an in-place compacted volume)			18,497	96,071

Ash Excavation from Embayments - Weekly
as of January 9th



Ash Stacking in Dredge Cell - Weekly
as of January 9th

