

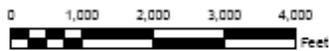
KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

January 10-16, 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 10-16, 2011

HIGHLIGHTS

- Conducted interviews with the firms bidding on the Deep Soil Mixing contract.

SAFETY

- Seven (7) site specific HSE orientations were conducted for the week – 1,759 to date. One hundred ninety-seven (197) HSE site orientation refresher courses have been conducted to date.
- Eighteen (18) Safety Observation Reports were submitted for the week – 1,610 to date; 1,606 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 is demobilizing from the site and this should be complete the week of January 24.

STILLING POND DREDGING

- Dredge operated 18.5 hours and the cumulative total removed from the Stilling Pond is reported as 22,623 CY.
- A bathymetric survey is planned for January 17.

ASH DISPOSITION

- Phillips & Jordan continued clean-up and demobilization activities at the landfill site.
- Submitted Rev. 01 of the On Scene Coordinator (OSC) Report to EPA, incorporating changes by TVA, ESI, and Jacobs.

SKIMMER WALL

- Aquarius Marine, LLC has demobilized and left the project.
- Jacobs is designing the navigation light and completing As-Built Drawing for the Skimmer Wall.

DIKE REINFORCEMENT

- Approximately 3,015 feet of buttress have been completed.
- Completed cutting trees along the intake channel. Stumps will remain in place until construction begins in this location.
- Snowfall early in the week slowed production.
- 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 the week ending January 14, 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.
- 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 and snowfall.
- A meeting was held to discuss the details and schedule of the bioassay testing. A readiness review to finalize the planning is scheduled for next week.

Non-Routine Sampling

- None to report.

DREDGE CELL

- No ash stacking took place this week due to the heavy snow and ice. Mobilization of the lime treatment contractor (Mt Carmel) was also delayed as a result of the winter weather.
- Held interviews the firms bidding on the deep soil mixing contract.

LATERAL EXPANSION AND ASH POND

- No ash placement took place due to weather conditions. TVA Civil Projects performed minor processing.

PLANT ASH DISPOSITION

- TVA Civil Projects excavated a small amount of bottom ash from the south end of the Sluice Trench.

EMBAYMENT ASH PROCESS

- TVA Civil Projects excavated and hauled over 3,000 CY of ash from the North and Middle Embayments for stockpiling for additional drying in the Ballfield.

COMMUNICATIONS

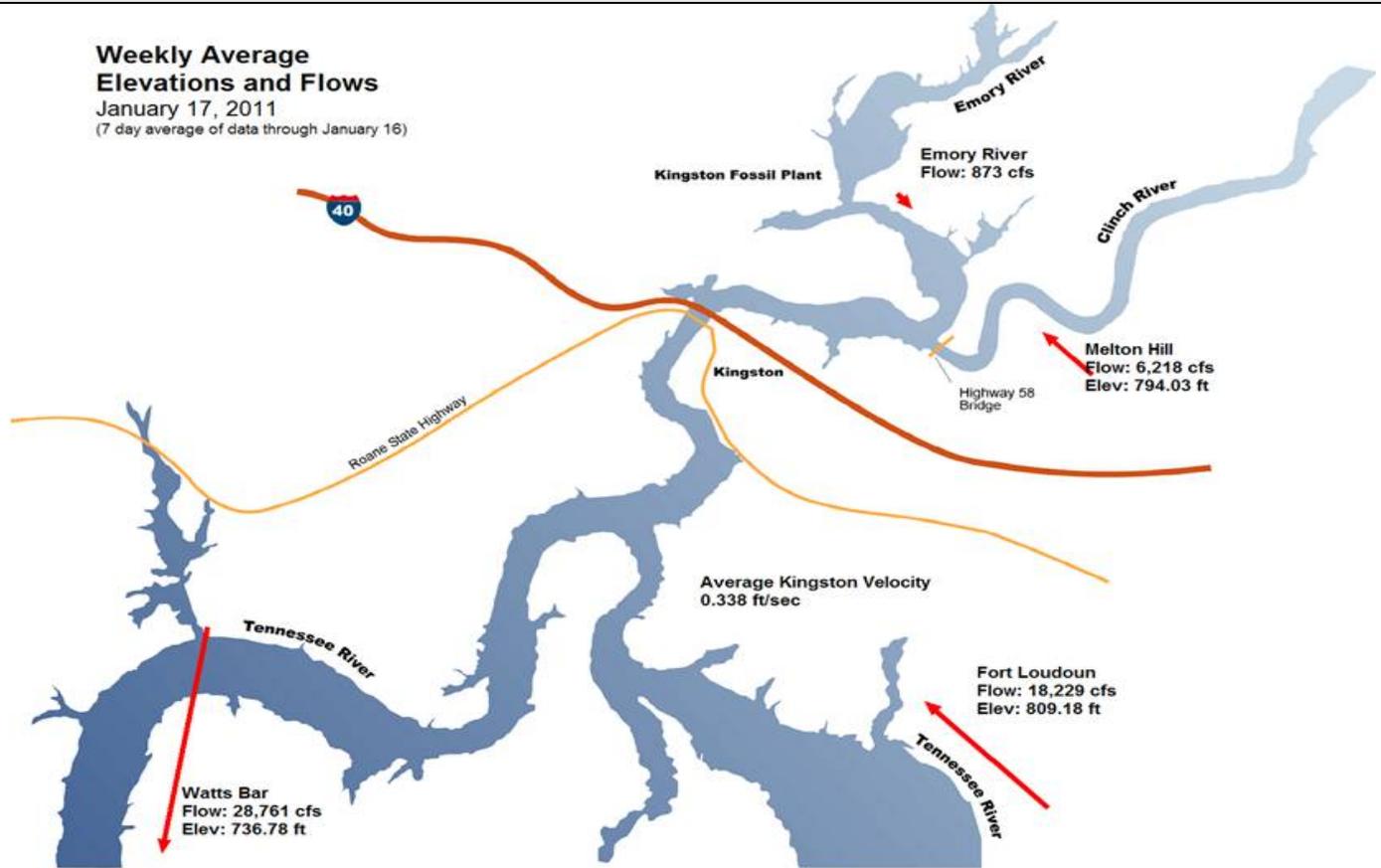
Communications

- 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.
- Changed website content to reflect site progress and updated environmental data.
- Worked on the January edition of *Inside the Cell*.
- Held planning session for the third (in a series of classes) Educational Initiative class for area high schools.
- Updated Administrative Record with work plans and relevant documents.
- Continued to respond to calls and visits from residents.

RIVER OPERATIONS

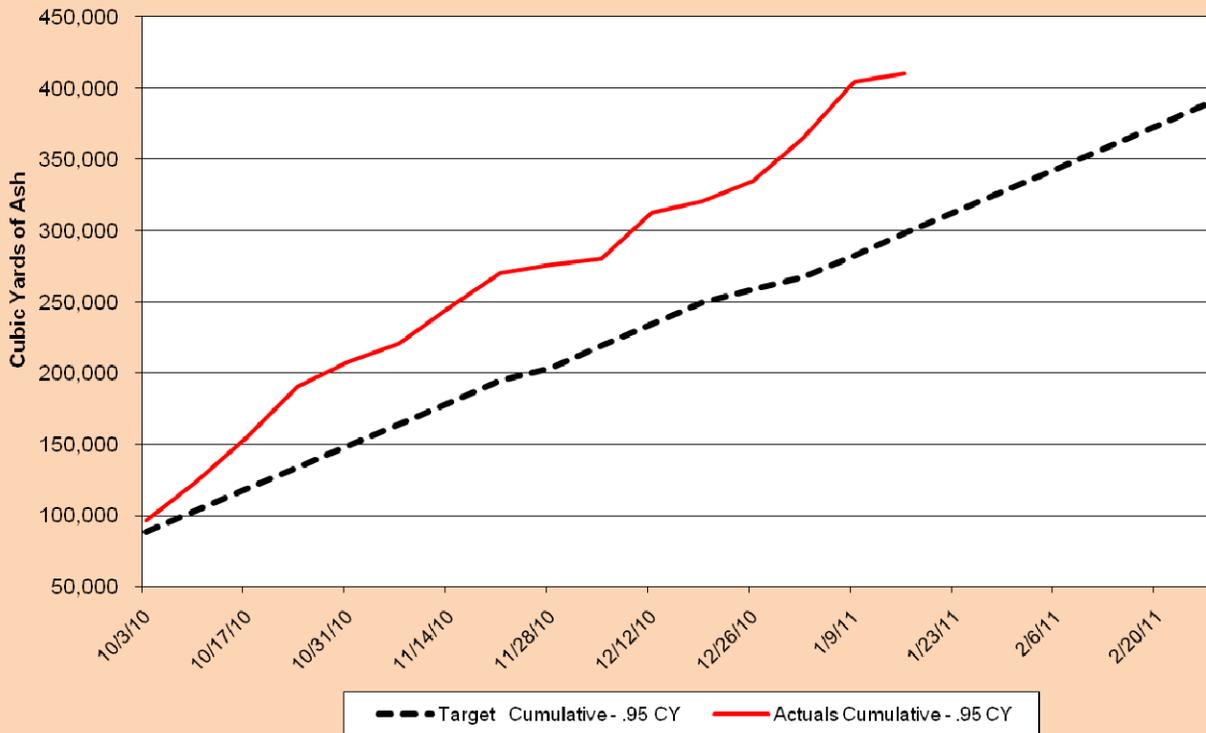
Weekly Average Elevations and Flows

January 17, 2011
(7 day average of data through January 16)



Kingston Recovery Project		Date: January 10-16, 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	3,806	--	5,595	
TVA	Surface/Utility Water	5,078	44,075	215,463	
TVA	Ground Water (spring and well)	156	1,602	6,549	
TVA	Ash	77	102	1,673	
TVA	Soil/Sediment	362	753	5,007	
TVA	Biota	2,415	5,306	64,616	
*Week Ending 01/13/11					
Ash Removal / Excavation	Non-Time-Critical			Weekly Total	Cumulative Total
Middle Embayment	Estimated CY (modified to an in-place volume)			0	242,485
North Embayment	Estimated CY (modified to an in-place volume)			2,502	71,548
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)			0	45,948
From North Embayment to Ballfield	Estimated CY (modified to an in-place volume)			3,177	15,571
From Mid Embayment to Lateral Expansion	Estimated CY (modified to an in-place volume)			0	33,273
From North Embayment to Lateral Exp	Estimated CY (modified to an in-place volume)			0	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)			-1,405	253,672
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)			7,353	103,294

Ash Excavation from Embayments - Weekly
as of January 16th



Ash Stacking in Dredge Cell - Weekly
as of January 16th

