

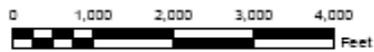
KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

March 14-20, 2011

Aerial Image of Kingston Ash Slide (01/24/2011)



Filename: Image01dy_20110124_8-112.pdf



Date of imagery: 01/24/2011
Surrounding area: 02/27/2010

Tennessee Valley Authority
Geographic Information & Engineering

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KINGSTON ASH RECOVERY PROJECT

WEEKLY REPORT

March 14-20, 2011

HIGHLIGHTS

- Due to declining calls and visits, TVA converted the Kingston Outreach Center to a phone center and closed the physical location on March 15.
- Completed contract negotiations and held a kick-off meeting for construction of the Dredge Cell Perimeter Wall Stabilization.

SAFETY

- Two (2) site specific HSE orientations were conducted for the week – 1,826 to date. One hundred ninety-nine (199) HSE site orientation refresher courses have been conducted to date.
- Seventeen (17) Safety Observation Reports were submitted for the week – 1,750 to date; 1,747 have been closed.
- A non-injury incident occurred on Monday, March 14, when an excavator became stuck in a drainage ditch after a shoulder on D-Dike gave way. The excavator was removed without incident and the investigation is continuing.
- 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.

ASH DISPOSITION

- Project closure documentation and records turnover is underway. Final invoices have not arrived from all vendors.

ASH SLURRY & POND TSS CONTROL

- TSS sampling was performed throughout the ash slurry system and used to control polymer addition rates.
- Stilling Pond TSS averaged 8.7 for the week and polymer addition rates were reduced to minimum levels.
- A planning meeting was held regarding the coordination of pond TSS control activities and plans to lower the operating level of the Main Ash Pond to 755' msl.

BALLFIELD OPERATION

- S&S Railroad Construction continued removal of rails and associated metal parts from the site.
 - S&S prepared small parts (spikes, bolts and plates) for scrap haulage.
 - All work was performed without incident or accident.
- Lime processed material was hauled from the Ballfield during the week and mass balance calculations indicate that 13,134 cubic yards of ash remain to be removed to return the Ballfield to 770' elevation as of March 20.

SKIMMER WALL

- No activity.

DIKE REINFORCEMENT

- Approximately 4,050 feet (70%) of the buttress have been completed.
- Conducted onsite meeting to discuss the installation of the temporary diffusers.
- Corrected a problem with a sample of the #57 stone.

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 was a rainfall event that triggered storm flow sampling for the Embayment only on Tuesday March 15, 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

- Spring amphibian sampling is ongoing.

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 Tennessee and Clinch River reaches and Emory River Reaches A and B. Ash deposition and submerged sediment sampling progressed into Emory River Reach C this week.
- Replenishment water collections continue in support of the first round of bulk sediment bioassay.

Non-Routine Sampling

- North Embayment confirmation sampling continues. Samples are screened onsite and samples that passed the screening are shipped to R.J. Lee for PLM analysis. Additional confirmation sampling will be ongoing as sectors of the North Embayment are excavated.

DREDGE CELL

- Continued ash stacking in the central dredge cell, and continued lime treatment of the wetter portion of the ash in a series of 10 lime application pits. Ash stacking was suspended on Tuesday and Wednesday due to rain. TVA's Civil Projects is working six (6) days a week, as weather permits.
- TVA Civil Projects stacked 19,097 CY in the dredge cell for the week.
- Completed contract negotiations and held kickoff for the perimeter wall stabilization.
- Stantec submitted the revised 90% design for the north dredge cell (Dike C, Segment 1) perimeter containment for TVA review.

LATERAL EXPANSION

- Continued drilling for installation of the new geotechnical instrumentation.

PLANT ASH DISPOSITION

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

EMBAYMENT ASH PROCESS

- TVA Civil Projects excavated and hauled 20,427 CY of ash from the North Embayment.

COMMUNICATIONS

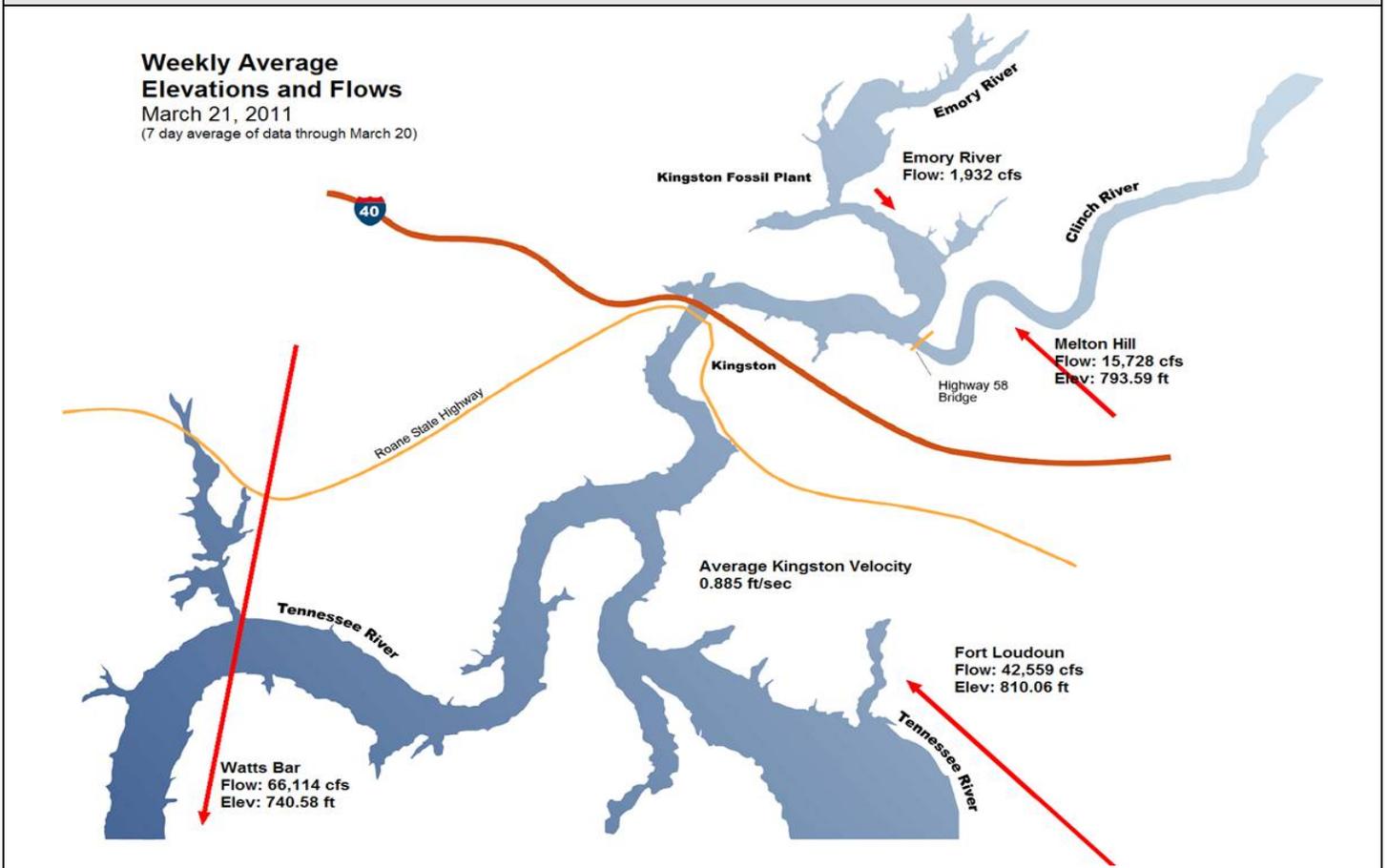
Communications

- 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.
- Created submission for Jacobs 2011 Sustainability Report focusing on the Educational Initiative.
- Delivered March *Inside the Cell* newsletter to site employees.
- Updated site bulletin boards with March newsletter and pertinent safety information.

Outreach

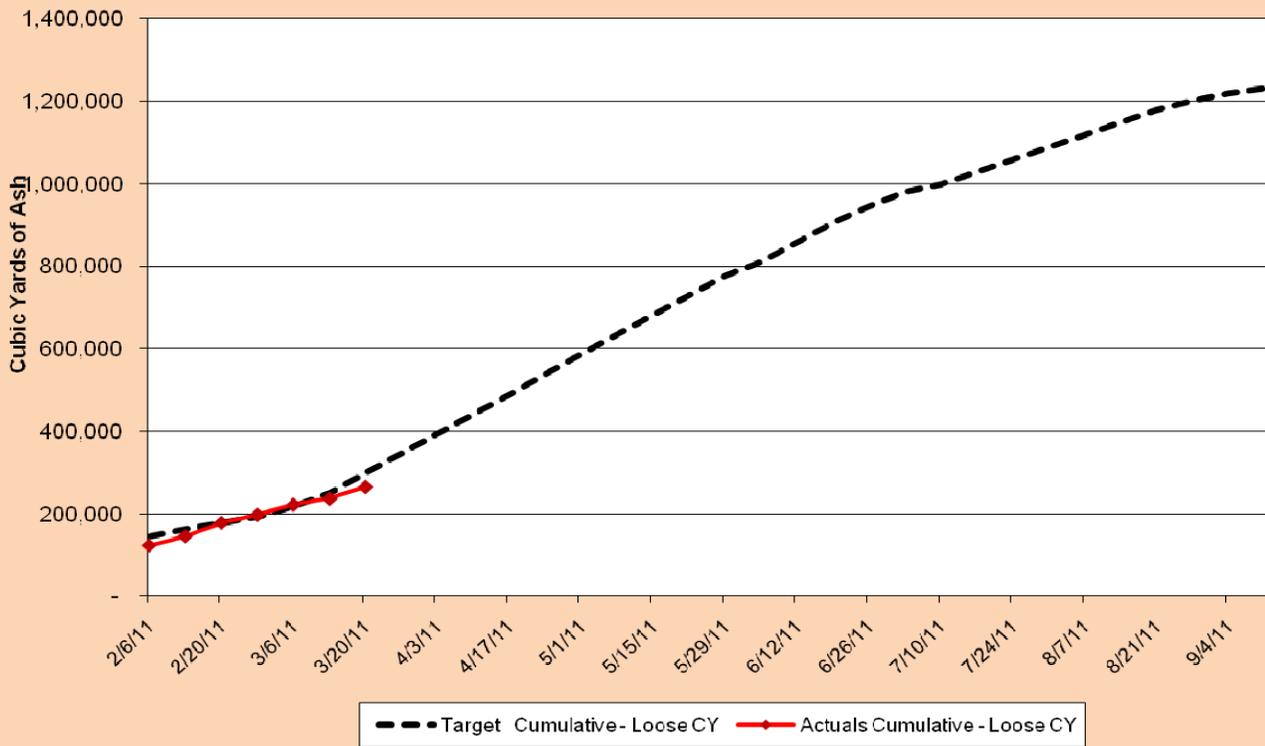
- Due to declining calls and visits, TVA converted the Kingston Outreach Center to a phone only center and closed the physical location on March 15.

RIVER OPERATIONS



Kingston Ash Recovery Project		Date: March 14-20, 2011		Field Report	
Safety			Weekly Total	FY - Cumulative Total	
Near Misses			0	0	
First Aid Incidents			0	8	
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	4,295	--	6,276	
TVA	Surface/Utility Water	5,234	45,258	221,575	
TVA	Ground Water (spring and well)	172	1,709	6,940	
TVA	Ash	78	104	1,689	
TVA	Soil/Sediment	602	1,141	8,124	
TVA	Biota	2,489	5,681	67,519	
*Week Ending 03/17/11					
Ash Removal / Excavation	Non-Time-Critical			Weekly Total	Cumulative Total*
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)			13,018	137,691
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)			5,179	40,680
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)			2,230	6,785
From North Embay to Mid Embayment	Estimated CY (modified to an in-place volume)			0	3,198
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	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)			19,087	321,201
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)			-1,902	36,539

Ash Excavation from North Embayment - Weekly
as of March 20th



Ash Stacking in Dredge Cell - Weekly
as of March 20th

