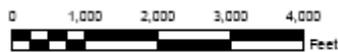


KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

January 24-30, 2011

Aerial Image of Kingston Ash Slide (12/23/2010)



Date of imagery: 12/23/2010
Surrounding area: 02/27/2010

Tennessee Valley Authority
Geographic Information & Engineering

Filename: ImageOnly_01070221_011.pdf

Prepared by:
Mary McDermott

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KINGSTON ASH RECOVERY PROJECT

WEEKLY REPORT

January 24-30, 2011

HIGHLIGHTS

- Stantec delivered design packages for the 90% North Dredge Cell (Dike C) Perimeter Containment and 60% Lateral Expansion Ash Stacking for review.
- EPA approved the Dike C Buttress Work Plan Segment A.

SAFETY

- No site specific HSE orientations were conducted for the week – 1,766 to date. One hundred ninety-eight (198) HSE site orientation refresher courses have been conducted to date.
- Ten (10) Safety Observation Reports were submitted for the week – 1,630 to date; 1,628 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.
- TVA Civil Projects continued construction of MAP relocation areas and is approximately 85% complete.

STILLING POND DREDGING

- The 10" dredge operated 20.5 hours and removed 4,212 CY from the Stilling Pond, which was discharged as slurry to the Lateral Expansion.

ASH DISPOSITION

- Received preliminary comments from EPA of the On Scene Coordinator's Report.
- All shipment and disposal tonnage data is now final (4,025,068.08 tons shipped).
- Project closure documentation and records turnover is underway. Final invoices have not arrived from all vendors.
- A meeting was held on January 24 regarding inventory cost.

SKIMMER WALL

- Jacobs continued design of the navigation light and as-built drawings for the Skimmer Wall.

DIKE REINFORCEMENT

- Approximately 3,110 feet of buttress have been completed.
- EPA approved the Dike C Segment A work plan.
- Construction began on Segment A on January 28, 2011.
- TVA issued Request for Proposals for Demolition of the Intake Channel Bridge to clear the area for the buttress work. The pre-bid meeting will be held Thursday, February 3, 2011.
- 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 was a rainfall event greater than 0.5" on Tuesday January 25, 2011 that triggered storm flow sampling in Swan Pond Embayment.

Only 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 Tennessee and Clinch River reaches. Sampling will continue this week in the Emory River and reference reaches.
- Seasonally exposed sediment sampling was completed last week.
- Preparations for the bioassay testing continue. A readiness review to finalize the planning is scheduled this week.

Non-Routine Sampling

- None to report.

DREDGE CELL

- Stantec delivered the 90% removal design package for RDP-0113-E, North Dredge Cell (Dike C) Perimeter Containment.
- Lime treatment of wet ash continued in the batch processing pits next to the Sluice Trench. Five new processing pits were constructed at the north side of the Ballfield near Track 2.
- Stacking of ash was impacted by weather. Stacking was performed for two days and included ash from the North Embayment intermixed with ash from the Lime Treatment pits.
- Issued SOP for monitoring of lime treatment

LATERAL EXPANSION AND ASH POND

- Stantec delivered the 60% removal design package for RDP-0114-A, Lateral Expansion (Cell 4) Ash Stacking.

PLANT ASH DISPOSITION

- TVA Civil Projects dragline excavated 1,052 CY of bottom ash from the south end of the Sluice Trench.
- Development of work packages was completed for planned track removal from the Ball Field as part of the Ballfield closure activities prior to turnover of the Ballfield to the KIF plant. Work is scheduled to begin on February 1, 2011.

EMBAYMENT ASH PROCESS

- TVA Civil Projects excavated and hauled over 5,400 CY of ash material from the North Embayment and 633 CY from the Middle Embayment.

COMMUNICATIONS

Communications

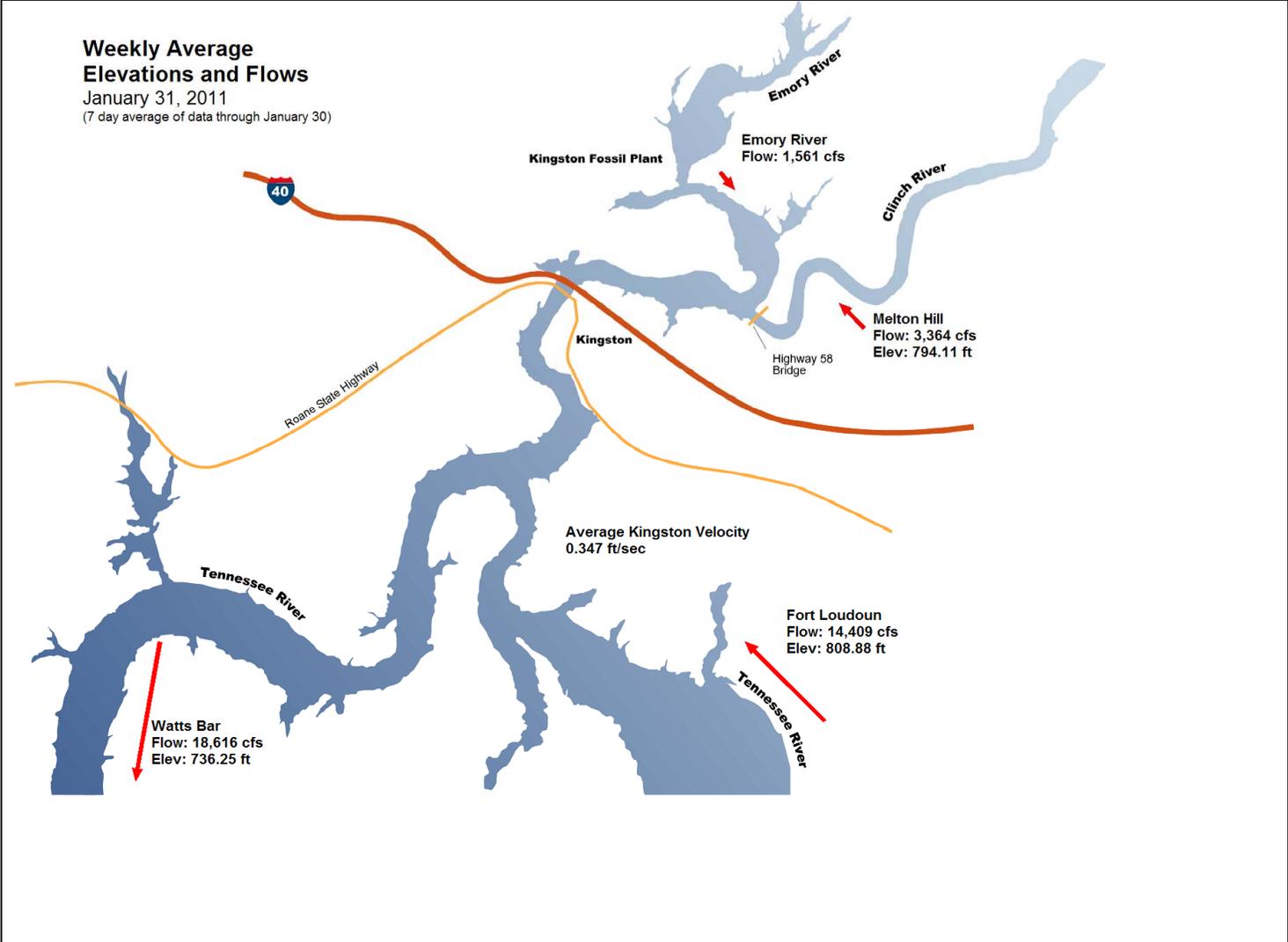
- Added Weekly Report and Weekly Area Resident Update to Kingston Ash Recovery website.
- Sent weekly update to the CAG, public officials and members of the public who have signed up to receive weekly emails.

- Submitted January edition of *Inside the Cell* for printing.
- Updated Administrative Record with work plans and relevant documents.
- Continued to respond to calls and visits from residents.
- Began preparing Power Point presentation for public meeting.

Outreach

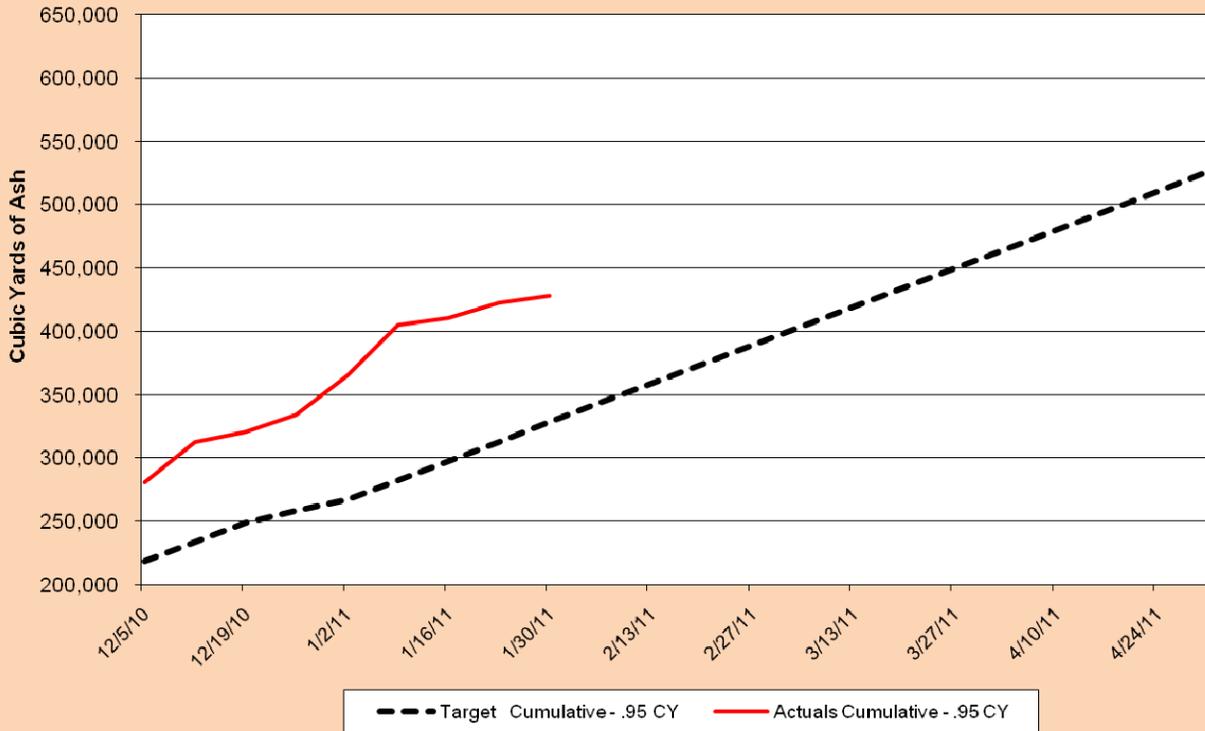
- Conducted planning session for third class in the series of Educational Initiative for local high schools.

RIVER OPERATIONS



Kingston Recovery Project		Date: January 24-30, 2011		Field Report	
Safety				Weekly Total	FY - Cumulative Total
Near Misses				0	0
First Aid Incidents				0	4
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	3,895	--	5,704	
TVA	Surface/Utility Water	5,108	44,190	216,123	
TVA	Ground Water (spring and well)	163	1,678	6,871	
TVA	Ash	77	102	1,673	
TVA	Soil/Sediment	366	761	5,031	
TVA	Biota	2,352	5,236	62,998	
*Week Ending 01/27/11					
Ash Removal / Excavation	Non-Time-Critical			Weekly Total	Cumulative Total
Middle Embayment	Estimated CY (modified to an in-place volume)			633	241,530
North Embayment	Estimated CY (modified to an in-place volume)			5,416	85,416
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)			0	18,852
From Mid Embayment to Lateral Expansion	Estimated CY (modified to an in-place volume)			0	35,091
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)			8,579	272,110
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)			-4,138	99,411

Ash Excavation from Embayments - Weekly as of January 30th



Ash Stacking in Dredge Cell - Weekly as of January 30th

