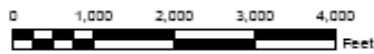


KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

March 7-13, 2011

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



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

Tennessee Valley Authority
Geographic Information & Engineering

Filename: ImageDiv_20110124_8-11.jpg

Prepared by:
Mary McDermott

Issue (Date/Time)
03/16/2011 1:01:11 PM

KINGSTON ASH RECOVERY PROJECT

WEEKLY REPORT

March 7-13, 2011

HIGHLIGHTS

- TVA Civil Projects excavated and hauled 12,050 CY of ash from the North and Middle Embayments and stacked in the Dredge Cell a total of 16,150 CY of ash from embayments and ball field areas.

SAFETY

- Eighteen (18) site specific HSE orientations were conducted for the week – 1,824 to date. One hundred ninety-nine (199) HSE site orientation refresher courses have been conducted to date.
- Thirty-five (35) Safety Observation Reports were submitted for the week – 1,733 to date; 1,728 have been closed.
- A First Aid occurred on March 8, 2011 when a Civil Projects employee scraped his knuckle while refueling. He was treated by the paramedic and returned to work.
- 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

- Maintenance plans are under development on the 2011 rail yard inspection.

ASH SLURRY POND/POND TSS CONTROL

- TVA Civil Projects' dragline did not operate during the week.
- TSS sampling was performed throughout the ash slurry system and used to control polymer addition rates
- Stilling Pond TSS averaged 10.1 for the week and polymer addition rates were reduced.

ASH PROCESSING

- Project closure documentation and records turnover is underway. Final invoices have not arrived from all vendors.
- Purchase order was issued to cover rail yard maintenance related to ash disposition.

BALL FIELD OPERATION

- S&S Railroad Construction competed removal of rails and stacking of ties from Ash Track 3 (AT-3).
 - Four days of work were performed by S&S this week; one work day was cancelled due to wet weather.
 - All work was performed without incident or accident.
- Lime processed material was hauled from the Ball Field during the week and mass balance calculations indicate that 28,005 cy of ash remain to be removed to return the entire Ball Field to 770' elevation.

SKIMMER WALL

- No activity.

DIKE REINFORCEMENT

- Approximately 3,800 feet (65%) of the buttress have been completed.
- A kickoff meeting was held with the bridge removal contractor. It is anticipated that the Notice to Proceed will be issued next week to the contractor.
- Segment B design has been broken into two parts to expedite the design approval process. The section involving the Skimmer Wall Peninsula is being reviewed. Once this section is approved, work will move from Segment A to

Segment B.

- Costs and schedule are being revised to account for the additional work around the diffusers, bridge area, and Skimmer Wall Peninsula.

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. Rainfall events triggered storm flow sampling for the Embayment and the Emory and Clinch Rivers on Saturday March 5 and Wednesday March 9, 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.
- Blue Herron sampling is complete.
- Snail samples received from ORNL for processing and shipment to PACE for analysis.

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 Reach A. Ash deposition and submerged sediment sampling continued in Emory River Reach B 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 for PLM analysis. Additional confirmation sampling will be ongoing as sectors of the North Embayment are excavated.

DREDGE CELL

- Ash stacking was limited due to excessive rains. Stacked on Saturday and Sunday.
- TVA Civil Projects stacked 16,500 CY in Dredge Cell for week.
- Began site preparation for the perimeter wall stabilization demonstration test section.
- Stabilization contractor began mobilization of equipment and facilities for the demonstration test. Work Plan, Quality Control Plan, and Health and Safety Plan have been submitted and TVA/Stantec completed their review of the Work Plan and Health and Safety Plan.
- Prepared field change request to perform alternate method of lime addition for ash stacking.

LATERAL EXPANSION

- Began drilling for installation of new geotechnical instrumentation within the lateral expansion area.

PLANT ASH DISPOSITION

- No TVA Civil Projects dragline operations occurred for the week from the sluice trench.

EMBAYMENT ASH PROCESS

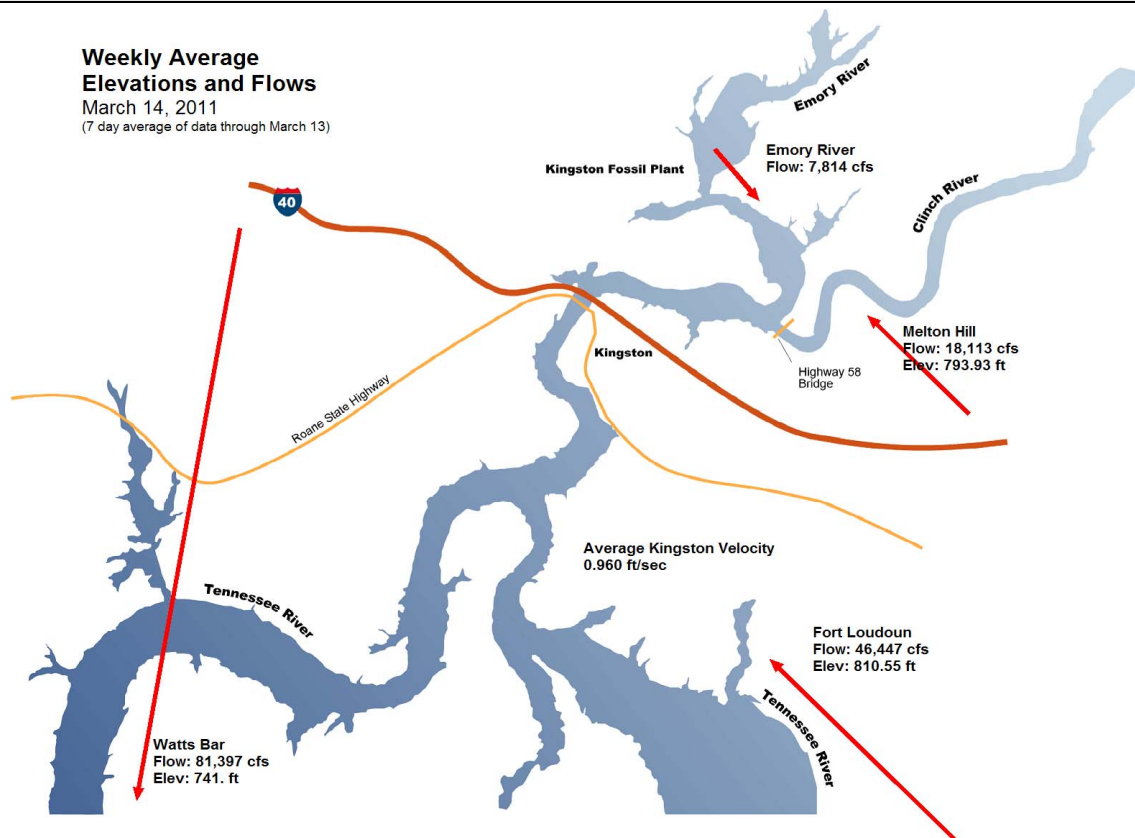
- TVA Civil Projects excavated and hauled 12,050 CY of ash from the North and Middle Embayments.

COMMUNICATIONS

Communications

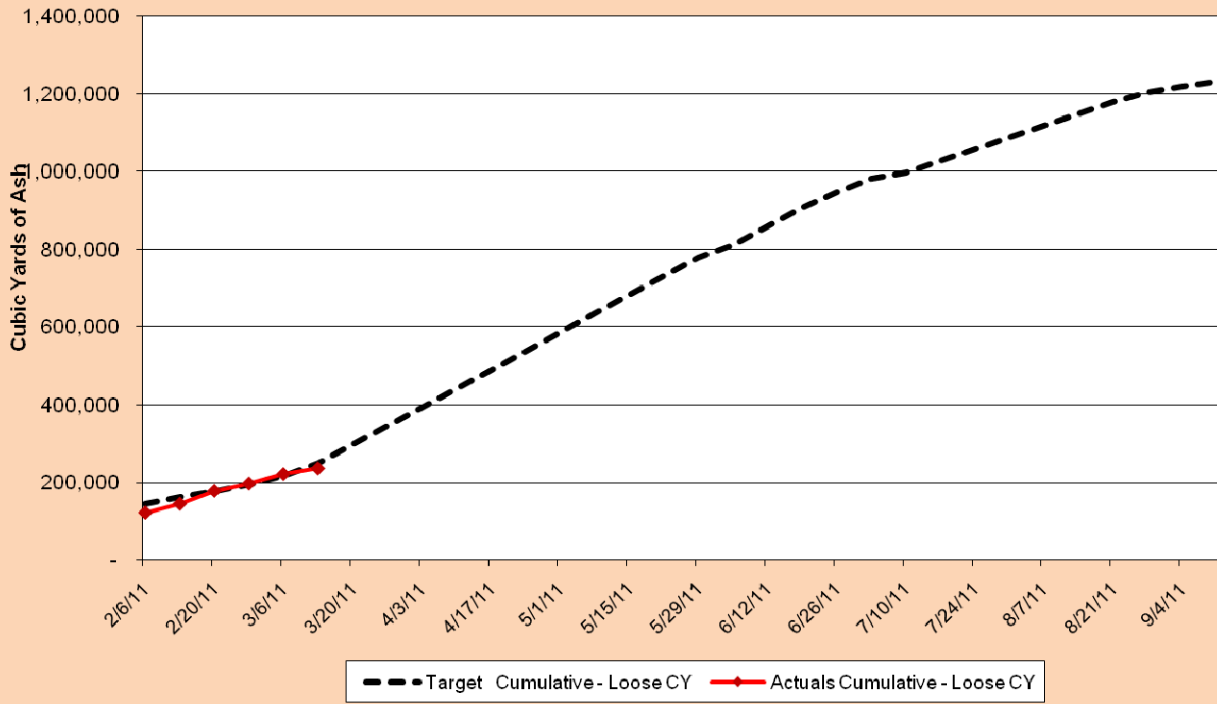
- Added Weekly Report and Weekly Area Resident Update to the Kingston Ash Recovery website.
- Sent weekly update to the CAG, public officials and members of the public who have signed up to receive weekly emails.
- Updated the Administrative Record with work plans and relevant documents.
- Continued to respond to calls and visits from residents.
- The March *Inside the Cell* newsletter was distributed.
- Submitted quarterly column to be published in the March 18 Roane County News.
- Submitted ad for outreach center closing

RIVER OPERATIONS



Kingston Ash Recovery Project		Date: March 7-13, 2011		Field Report	
Safety			Weekly Total	FY - Cumulative Total	
Near Misses			0	0	
First Aid Incidents			0	7	
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	4,227	--	6,168	
TVA	Surface/Utility Water	5,204	45,089	220,492	
TVA	Ground Water (spring and well)	166	1,699	6,925	
TVA	Ash	78	104	1,689	
TVA	Soil/Sediment	561	1,062	7,129	
TVA	Biota	2,489	5,629	67,519	
*Week Ending 03/10/11					
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)			7,634	124,673
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)			1,092	33,871
From North Embay to Ball Field	Estimated CY (modified to an in-place volume)			2,730	35,501
From Mid Embay to Lateral Expansion	Estimated CY (modified to an in-place volume)			593	27,328
From North Embay to Lateral Exp	Estimated CY (modified to an in-place volume)			0	4,555
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)			16,153	302,114
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)			-6,847	38441

Ash Excavation from North Embayment - Weekly
as of March 13th



Ash Stacking in Dredge Cell - Weekly
as of March 13th

