

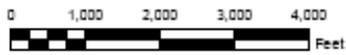
KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

October 18-24, 2010

Aerial Image of Kingston Ash Slide (09/21/2010)



M:\work\img\09_2010\01_1011.pdf



Date of imagery: 09/21/2010
Surrounding area: 07/23/2010

Tennessee Valley Authority
Geographic Information & Engineering

Prepared by:
Mary McDermott

Issue (Date/Time)
10/28/2010 9:40:50 AM

KINGSTON ASH RECOVERY PROJECT

WEEKLY REPORT

October 18-24, 2010

HIGHLIGHTS

- To date, 383 unit trains have been loaded and approximately 3,732,887 tons of ash transported to the landfill in Uniontown, Alabama.

SAFETY

- Five (5) site specific HSE orientations were conducted for the week – 1,723 to date. One hundred ninety-six (196) HSE site orientation refresher courses have been conducted to date.
- Fifteen (15) Safety Observation Reports were submitted for the week – 1,514 to date; 1,501 have been closed.
- No Wet Bulb Globe Thermometer (WBGT) weather alerts were issued last week

INFRASTRUCTURE/ASH MANAGEMENT

- Efforts for site maintenance, dust control, and HAZWOPER control continued.
- Continued recovering cenospheres from the onsite ponds.
- Mayse Construction continued installing utilities to approaches of Swan Pond Circle Road Underpass Bridge. Utilities Project is 98.5% Complete.

ASH DREDGING & PROCESSING

- Jacobs continued preparation of the On Scene coordinator (OSC) Report for the time-critical removal action.

ASH DISPOSITION

- Loaded and transported six (6) unit trains this week. Continued monitoring moisture content of the ash and determined we were able to ship all trains without polymer this week
- Continuing to work with the plant to minimize the impact of the delivery of coal trains, limestone cars, ammonia cars, and the loaded and empty ash trains.
- MACTEC demobilization plan has been forwarded to EPA for approval.
- The second demobilization planning meeting was held on 10/19/10 and action item list updated for progress to date; next meeting scheduled for 10/26/10.
- Two meetings were completed with Civil Projects to coordinate delivery of ash to trains and cutting of the ball field to target completion elevation of 770'.

SKIMMER WALL

- Aquarius Marine, LLC, completed setting sheet piles on caisson #2 with plans to place Tremie concrete on Thursday, October 28.

DIKE REINFORCEMENT

- Construction on Segment C is suspended until November, 2010.
- Stantec continued to work on finalizing design efforts for the buttress.
- Jacobs continued to monitor the dikes at Kingston on a daily basis.

ROUTINE MONITORING

Surface Water Sampling

- The final round of sampling for the river system engineering evaluation/cost analysis (EE/CA) surface water sampling task was completed on Tuesday, October 19, and Wednesday, October 20, at 11 locations on the Emory, Clinch and Tennessee Rivers. This task is also incorporated into the approved Non Time Critical Removal Action (NTCRA) Surface Water Monitoring Plan that became effective with the completion of all ash removal activities on the Emory River. In consideration of toxicity testing laboratory schedules, a final round of bulk water sampling for toxicity testing will be performed the week of November 1. Surface water sampling for all other analyses specified in the EE/CA sampling and analysis plan is complete
- 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 1.0" in a 24-hour period, and/or when 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. No activations were triggered during the past week.
- 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.

Sediment Sampling

- None to report.

Air Sampling

- Air monitoring results, including fixed-station and real-time monitoring results are below ambient air quality criteria.
- TVA currently operates six real-time PM2.5 instruments: a tapered element oscillating microbalance (TEOM) PM2.5 instrument at Lakeshore Drive (PS07); and PM2.5 Beta Attenuation Monitors (BAM) at the northern-most reach of work in the North Embayment (PS13); PS05; PS07; PS08 and PS09.
- PM 2.5 measurements at all stations for the past week were below the action level of 26 ug/m3 averaged over a 24-hour period.
- EPA Region 4 performed the quarterly audit of the air monitoring program the week of October 18. No items requiring immediate attention were identified during the outbriefing. An audit report is forthcoming.

Data Management

- Electronic data deliverables are flowing into the Equis database.
- Data validation continues for electronic data packages received from the laboratories.
- Migration of data from the TVA Equis to the EPA SCRIBE database is ongoing.

Biota Sampling

- Fish sample composites from the spring 2010 sampling event were received from ORNL and shipped to PACE for analysis.
- Raccoon sampling continues in conjunction with the University of Tennessee.

River System EE/CA Sampling and Analysis

- Ash deposition and submerged sediment sampling was initiated on October 18, beginning in the Tennessee River. Sampling will continue into the month of December.
- Geoprobe sampling was completed on October 21.

Non-Routine Sampling

- None to report.

DREDGE CELL

- Continued stacking ash in the central dredge cell.

PLANT ASH DISPOSITION

- Civil Projects operated the sluice trench and ash pond areas to process plant-generated ash for disposal.

EMBAYMENT ASH PROCESS

- Ash was excavated from the middle embayment areas of Pap's Hill and west area and hauled to the central dredge

cell interim stacking.

- Midstate Construction completed concrete placement of Swan Pond Circle Road underpass bridge approach slabs and parapet walls. Project is 88% complete
- TVA Civil Projects started excavation on North-South Haul Road into North Embayment on north side of Bypass Road.

COMMUNICATIONS

Communications

- Posted to Website: Before and after comparison video and photos, Weekly Report and Weekly Area Resident Update.
- Sent weekly update to the CAG, public officials and members of the public who have signed up to receive weekly emails.
- Continued planning for October 28 Combined Federal Campaign Pizza Sale.

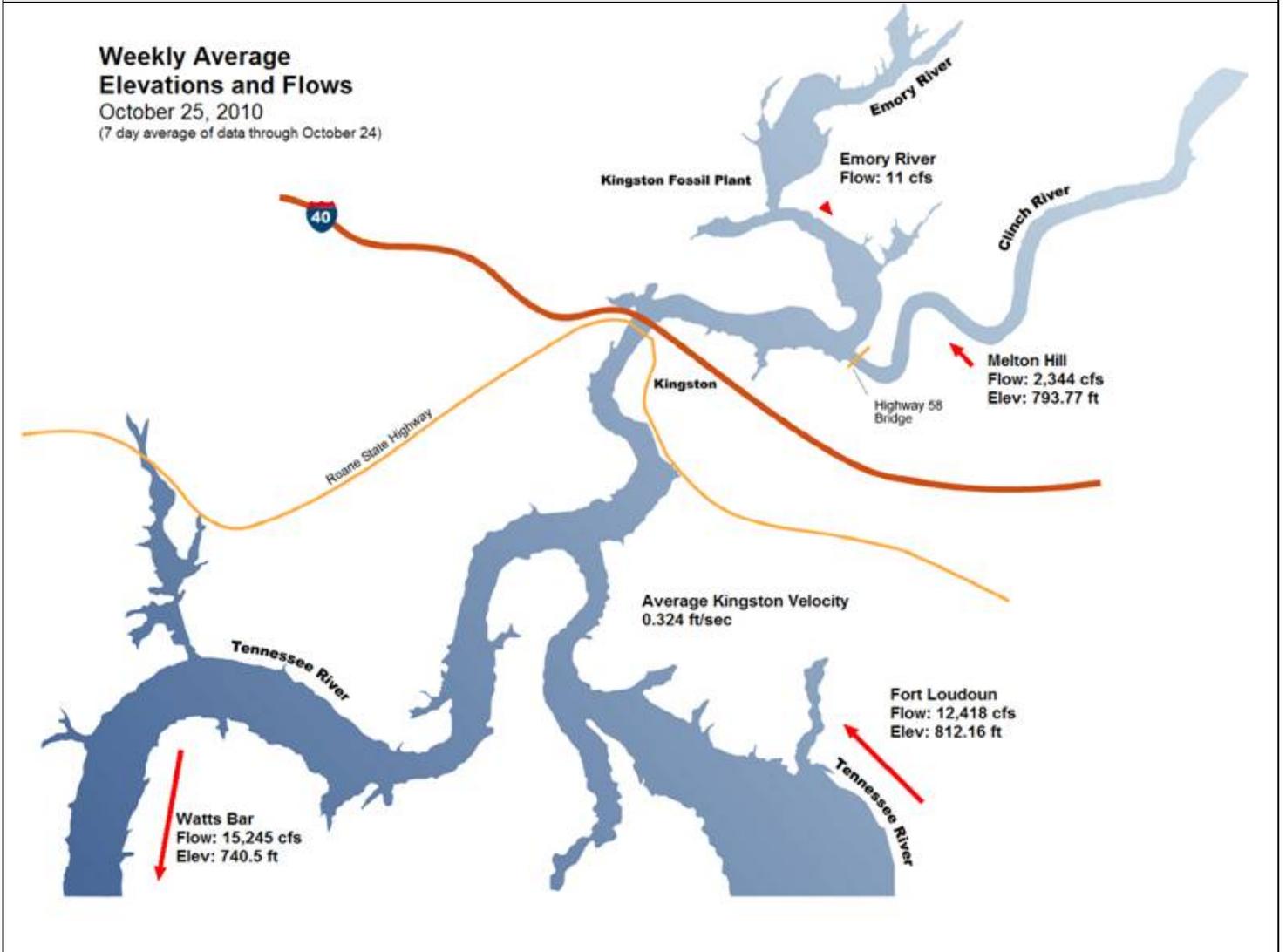
Outreach

- Provided updates to employees, customers, residents, and public officials about site activities.
- Provided site briefing and tour to Moody's representatives.
- Worked on plans for TVA's Day of Caring in association with the Combined Federal Campaign.
- Began preparation for site luncheon to mark the end of train shipments to Alabama.
- Worked on informational tri-fold brochure for Tri-Lateral Safety Alliance to hand out during upcoming safety blitz.
- Updated Administrative Record with work plans and relevant documents.
- Continued to respond to calls and visits from residents.

RIVER OPERATIONS

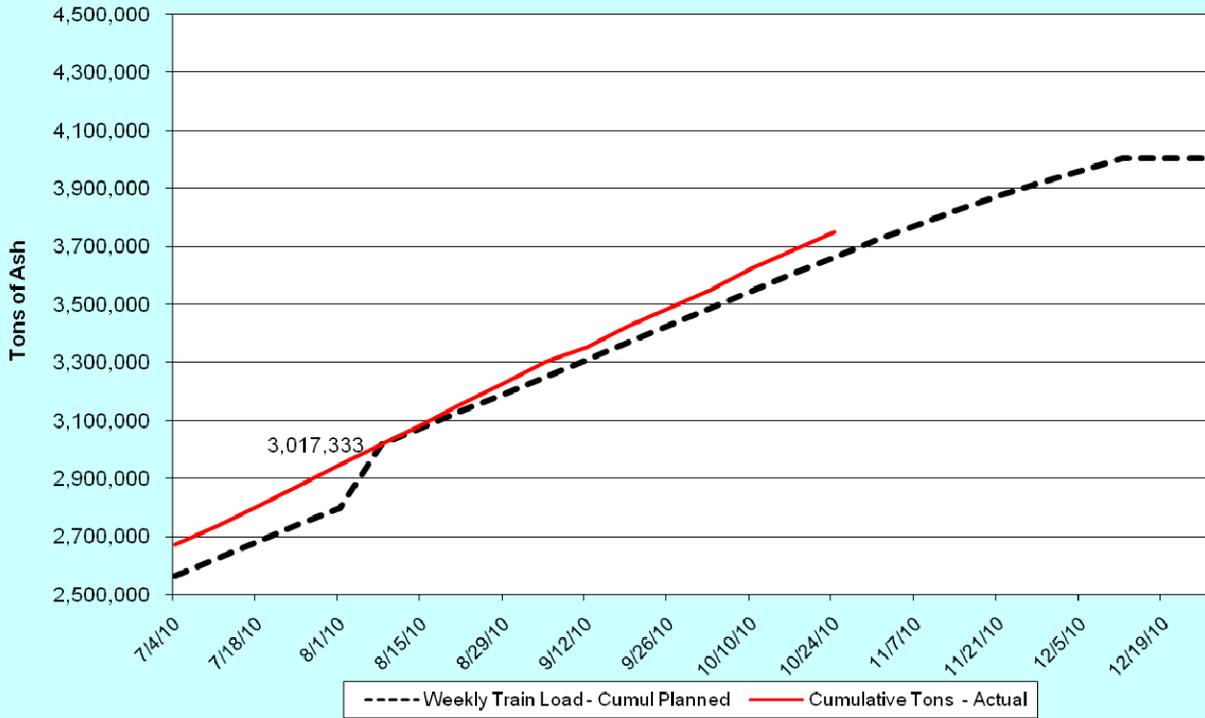
Weekly Average Elevations and Flows

October 25, 2010
(7 day average of data through October 24)



Kingston Recovery Project		Date: October 18-24, 2010		Field Report	
Safety				Weekly Total	FY - Cumulative Total
Near Misses				0	0
First Aid Incidents				0	0
Recordable Incidents				0	0
Recordable Lost Time Incidents				0	0
Environmental					
Org	Matrix	Samples*	Analyses*	Results*	
TVA	Air - Real-Time (Final)	--	--	267,188	
TVA	Air - Fixed	3200	--	4,690	
TVA	Surface/Utility Water	4,768	42,103	205,095	
TVA	Ground Water (spring and well)	126	1,399	5,717	
TVA	Ash	78	104	1,689	
TVA	Soil/Sediment	307	586	4,486	
TVA	Biota	2,129	4,614	56,799	
*Week Ending 10/22/10					
Ash Removal	Time-Critical			Weekly Total	Cumulative Total
River Dredging				NA	2,772,786
East of Dike 2				NA	736,691
Ash Movement to Ballfield	Time-Critical				
Sluice Trench	Estimated CY (modified to an in-place volume)			6,876	129,200
West Storage	Estimated CY (modified to an in-place volume)			0	198,664
Dredge Cell (Cell 1)	Estimated CY (modified to an in-place volume)			21,060	300,417
Dredge Cell (Test Embankment Cell 3)	Estimated CY (modified to an in-place volume)			0	147,816
Lateral Expansion (Cell 4)	Estimated CY (modified to an in-place volume)			0	38,190
Ash Excavation (Mid-Embay to Ballfield)	Estimated CY (modified to an in-place volume)			0	2,000
Ash Disposal	Time-Critical			Weekly Total	Cumulative Total
Ash Disposal	Estimated Tons			60,565	3,732,887
Ash Removal / Excavation	Non-Time-Critical			Weekly Total	Cumulative Total
Middle Embayment	Estimated CY (modified to an in-place volume)			34,439	188,482
North Embayment	Estimated CY (modified to an in-place volume)			0	0
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-Embay to Ballfield	Estimated CY (modified to an in-place volume)			0	2,000
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)			29,843	149,965

Ash Loading to Trains - Weekly
as of October 24th



Ash Excavation from Embayments - Weekly
as of October 24th

