

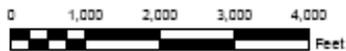
KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

October 25-31, 2010

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



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

Tennessee Valley Authority
Geographic Information & Engineering

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Issue (Date/Time)
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KINGSTON ASH RECOVERY PROJECT

WEEKLY REPORT

October 25-31, 2010

HIGHLIGHTS

- To date, 389 unit trains have been loaded, and approximately 3.8 million tons of ash have been transported to the landfill in Uniontown, Alabama.

SAFETY

- Four (4) site specific HSE orientations were conducted for the week – 1,727 to date. One hundred ninety-seven (197) HSE site orientation refresher courses have been conducted to date.
- Six (6) Safety Observation Reports were submitted for the week – 1,520 to date; 1,516 have been closed.
- No incidents or injuries reported.

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. The utility project is 99% complete.

ASH DREDGING & PROCESSING

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

ASH DISPOSITION

- Loaded seven (7) and transported six (6) unit trains this week. Uniontown experienced delays due to late Norfolk Southern deliveries and a rain event causing Norfolk Southern to elect not to ship a train on Saturday. A loaded 90-car train was available for shipping at week's end and will be shipped on Monday, November 1.
- 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 is being reviewed by EPA. A heavy equipment demobilization work package was submitted by MACTEC and is being processed for approval.
- The third demobilization planning meeting was held on October 26 and the action item list updated for progress to date. The next meeting scheduled is for November 2, 2010.
- An "all parties" planning conference call is scheduled for November 1 to coordinate rail car final deliveries.

SKIMMER WALL

- Aquarius Marine, LLC, placed concrete in Caisson #2 and set six of eight concrete panels in place in the first Skimmer Wall bay.

DIKE REINFORCEMENT

- Construction on Segment C is scheduled to resume next week.
- 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 are activated whenever local rainfall exceeds 1.0" 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 on Sunday, October 24, and Tuesday, October 26, triggered storm water sampling events in both Swan Pond Embayment and the Emory River.
- 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

- 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.
- Migration of data from the TVA Equis to the EPA SCRIBE database is ongoing.

Biota Sampling

- Turtle toenail samples being prepared for shipment to Virginia Tech.
- 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.

Non-Routine Sampling

- None to report.

DREDGE CELL

- Continued to stack ash in the central dredge cell.
- TVA held a pre-bid conference for deep mixing contractors.
- Evaluated options for closure of the northwest corner of the former 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

- Mid-State Construction stripped forms and completed bridge preparations for asphalt placement on approaches next week. The project is 92% complete.
- Ash continued to be excavated from the Middle Embayment areas of Pap's Hill and the West Area and hauled to the Dredge Cell.
- TVA Civil Projects performed ash consolidation in the North Embayment areas.

COMMUNICATIONS

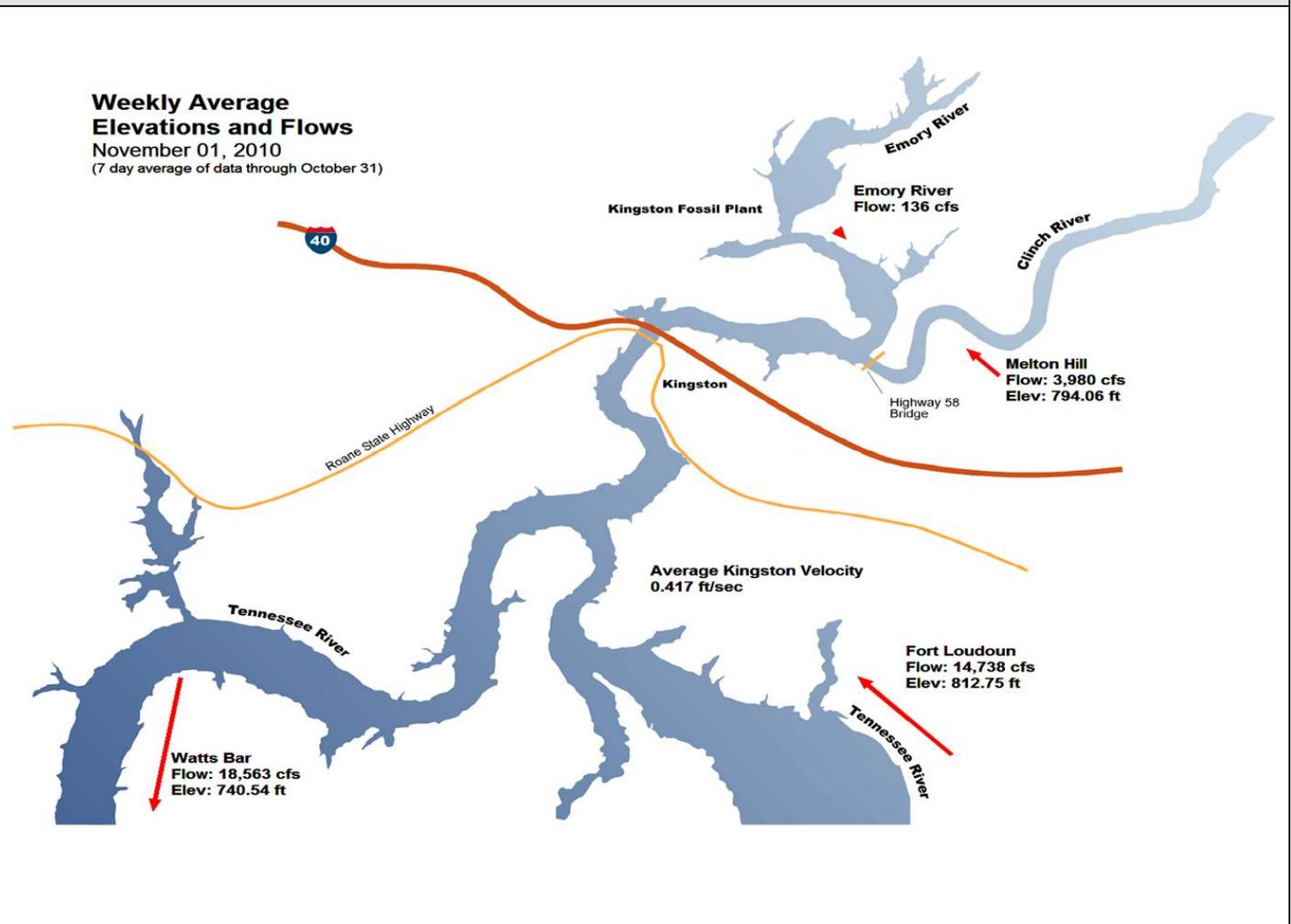
Communications

- Posted to Website: Roane County Economic Development Foundation meeting notice, 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.
- Prepared site progress update for TVA Chief Operating Officer.
- Held Combined Federal Campaign pizza lunch at two site locations.

Outreach

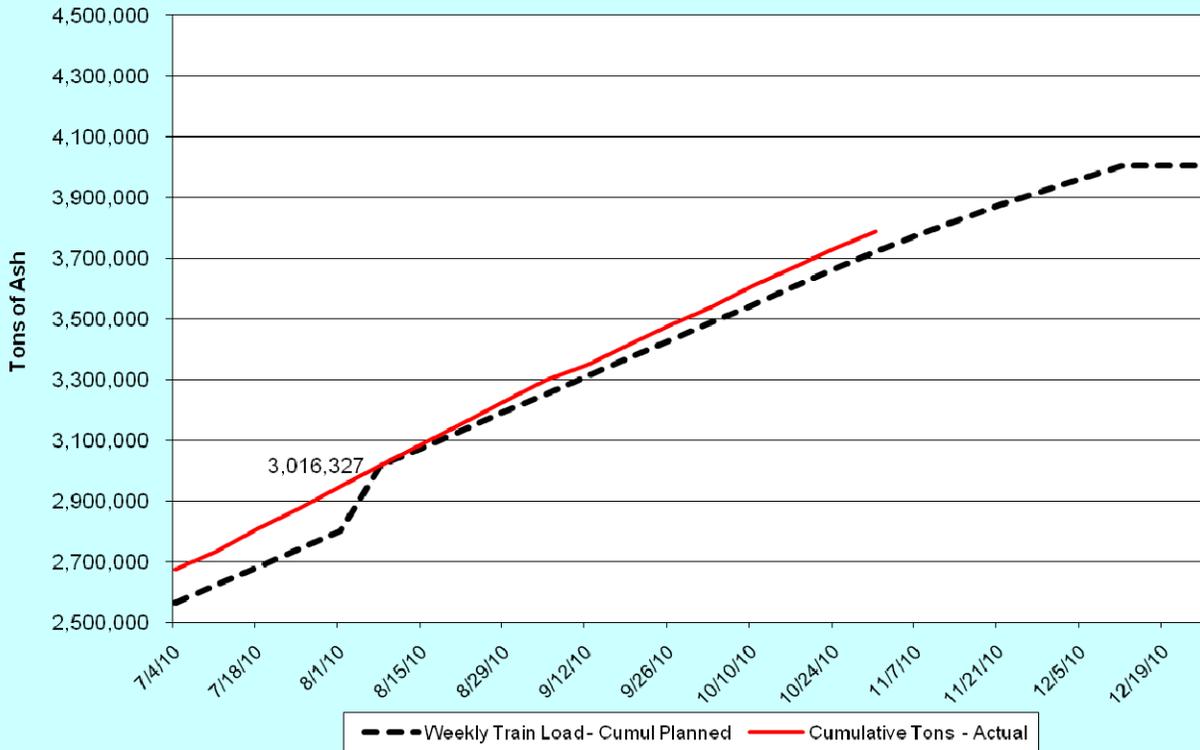
- Provided updates to employees, customers, residents, and public officials on site activities.
- Planned TVA's Day of Caring activities in association with the Combined Federal Campaign.
- Held planning meeting on the second in a series of classes as part of the Educational Initiative at Roane County and Harriman high schools.
- Finalized 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



Kingston Recovery Project		Date: October 25-31, 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	3,242	--	4,732	
TVA	Surface/Utility Water	4,813	42,547	207,525	
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)			1,568	130,768
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)			31,714	332,131
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			61,227	3,794,114
Ash Removal / Excavation	Non-Time-Critical			Weekly Total	Cumulative Total
Middle Embayment	Estimated CY (modified to an in-place volume)			17,544	206,026
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)			14,774	164,739

Ash Loading to Trains - Weekly
as of October 31st



Ash Excavation from Embayments - Weekly
as of October 31st

