

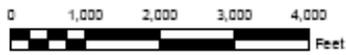
KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

October 11-17, 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

7Prepared by:
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Issue (Date/Time)
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KINGSTON ASH RECOVERY PROJECT

WEEKLY REPORT

October 11-17, 2010

HIGHLIGHTS

- To date, 377 unit trains have been loaded and approximately 3,672,320 tons of ash transported to the landfill in Uniontown, Alabama.
- The Quality Assurance Project Plan was finalized.

SAFETY

- Seven (7) site specific HSE orientations were conducted for the week – 1,718 to date. One hundred ninety-six (196) HSE site orientation refresher courses have been conducted to date.
- Thirty-one (31) Safety Observation Reports were submitted for the week – 1,499 to date; 1,474 have been closed.
- No Wet Bulb Globe Thermometer (WBGT) weather alerts were issued last week
- The Site Wide Safety and Health Plan, CERCLA, Revision 5, was finalized.

INFRASTRUCTURE/ASH MANAGEMENT

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

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. Sunday, October 17, was scheduled off to let the empty trains balance out with the loaded trains. Continued monitoring the moisture content of the ash and determined that the moisture content is such that we were able to ship all trains without polymer this week.
- Continued to coordinate 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 provided a draft demobilization plan on October 12 and an action item list was developed. The next meeting is scheduled for October 19, 2010.

SKIMMER WALL

- Aquarius Marine, LLC started setting the sheet pile wall template on Caisson #2 on the Skimmer Wall Rebuild. The project is 30% complete.

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 seventh of eight rounds of surface water sampling for the river system engineering evaluation/cost analysis (EE/CA) surface water sampling task was completed on Tuesday, October 12, and Wednesday, October 13, 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.
- 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 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

- 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

- 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

- Preparations were finalized to initiate ash deposition, submerged sediment, and sediment pore water characterization tasks with sampling scheduled to begin the week of October 18.
- Geoprobe work continued this week. Two borings remain to be completed as of the end of the week.

Non-Routine Sampling

- None to report.

DREDGE CELL

- Continued stacking ash in the Central Dredge Cell.
- Stantec delivered revised drawings and draft specifications for the Request for Proposals for Deep Mixing Method (DMM) contractor procurement.
- Stantec delivered the 90% removal design package RDP-0113-D for the North and Central Dredge Cell (Cells 2 & 3) Ash Stacking on Friday, October 15th.
- Received RECON report of DSM pilot project and held briefing with TVA on their report.

PLANT ASH DISPOSITION

- Civil Projects operated the Sluice Trench and Ash Pond areas to process Plant-generated ash for disposal.

EMBAYMENT ASH PROCESS

- MidState placed one of the two approach slabs on Swan Pond Circle Road Underpass Bridge, and is 85% complete.
- Ash was excavated from the middle embayment areas of Pap's Hill and west area and hauled to the Central Dredge Cell interim stacking.

COMMUNICATIONS

Communications

- Posted to Website: September 23 Public Meeting transcript, 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
- Delivered new Inside the Cell newsletter for site and plant employees
- Updated site bulletin boards with safety information, Inside the Cell newsletters and CFC Pizza sale information

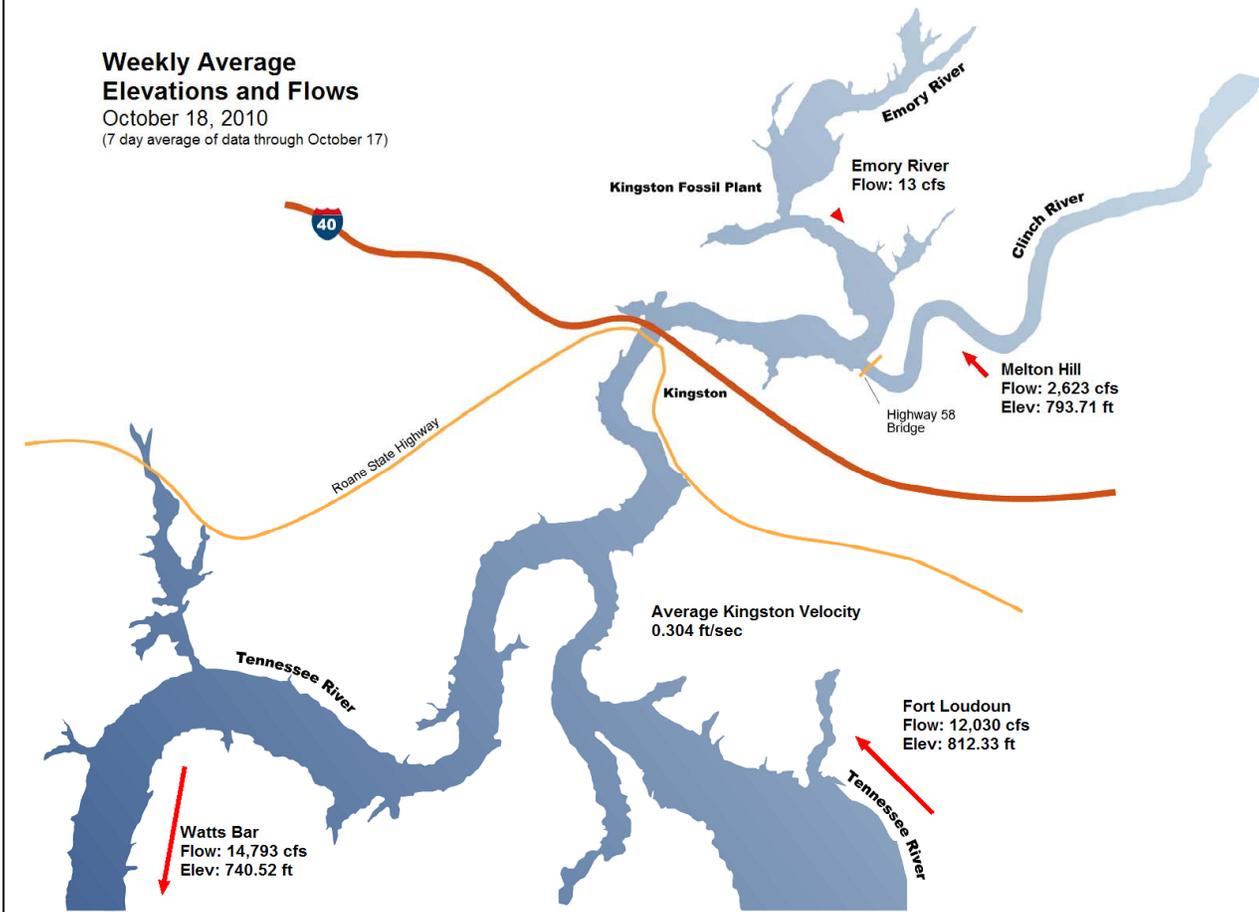
Outreach

- Provided updates to employees, customers, residents, and public officials on site activities.
- Delivered transcript of September 23 Public Meeting to Kingston Library, the Outreach Center and the Community Advisory Group.
- Met with Roane County High School principal and science teacher as well as presenters about potential topics for second class in the Educational Initiative.
- Planned for TVA's Day of Caring in association with the Combined Federal Campaign.
- Updated Administrative Record with work plans and relevant documents.
- Continued to respond to calls and visits from residents.

RIVER OPERATIONS

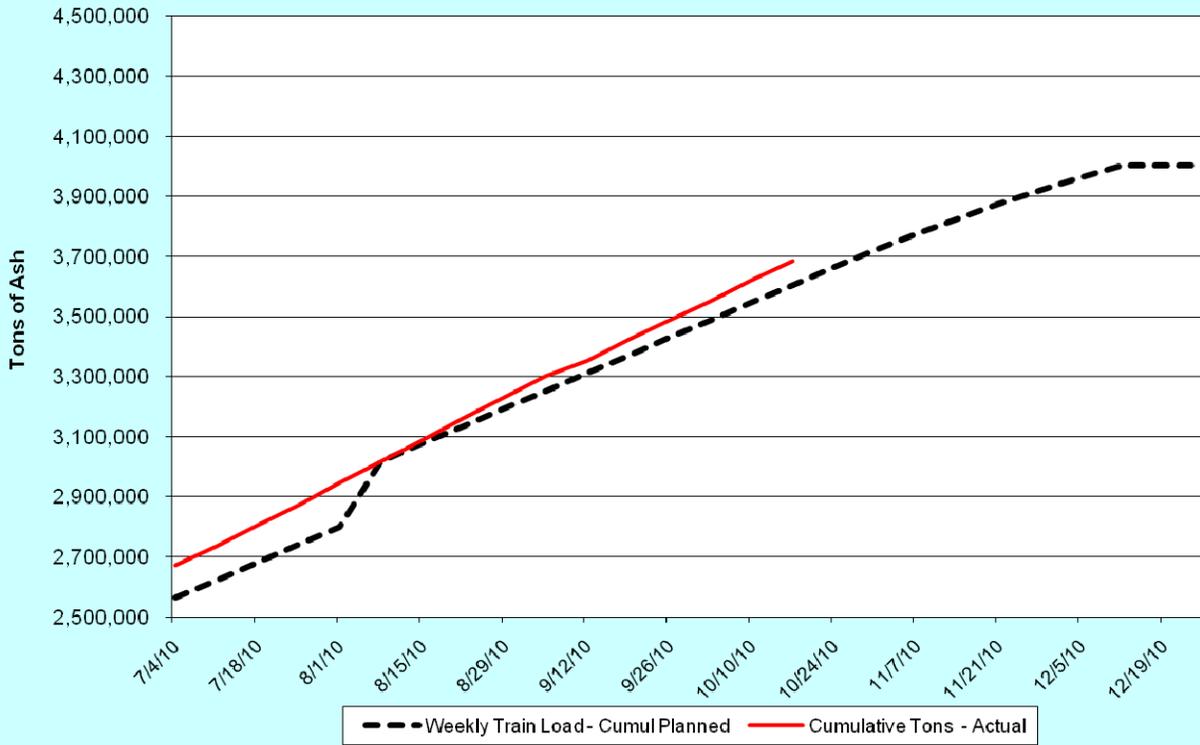
Weekly Average Elevations and Flows

October 18, 2010
(7 day average of data through October 17)



Kingston Recovery Project		Date: October 11-17, 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	3,131	--	4,566	
TVA	Surface/Utility Water	4,558	40,450	195,178	
TVA	Ground Water (spring and well)	116	1,311	5,310	
TVA	Ash	78	104	1,717	
TVA	Soil/Sediment	278	483	3,736	
TVA	Biota	1,873	4,168	49,953	
*Week Ending 10/14/10					
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)			8,276	122,324
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)			23,208	279,357
Dredge Cell (Test Embankment Cell 3)	Estimated CY (modified to an in-place volume)			11,390	147,816
Lateral Expansion (Cell 4)	Estimated CY (modified to an in-place volume)			437	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			78,328	3,672,322
Ash Removal / Excavation	Non-Time-Critical			Weekly Total	Cumulative Total
Middle Embayment	Estimated CY (modified to an in-place volume)			31,447	153,043
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)			26,482	120,122

Ash Loading to Trains - Weekly
as of October 17th



Ash Excavation from Embayments - Weekly
as of October 17th

