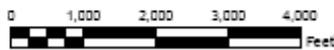


KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

September 20-26, 2010

Aerial Image of Kingston Ash Slide (08/25/2010)



Date of imagery: 08/25/2010
Surrounding area: 07/23/2010

Tennessee Valley Authority
Geographic Information & Engineering

File name: Image08p_2339023_8413.pdf

Prepared by:
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KINGSTON ASH RECOVERY PROJECT

WEEKLY REPORT

September 20-26, 2010

HIGHLIGHTS

- To date, 358 unit trains have been loaded and approximately 3,480,800 tons of ash transported to the landfill in Uniontown, Alabama.
- No incidents or injuries during the week.
- 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.

SAFETY

Program Summary

- Five (5) site specific HSE orientations were conducted for the week – 1,698 to date. One hundred ninety-six (196) HSE site orientation refresher courses have been conducted to date.
- Five (5) Safety Observation Reports were submitted for the week – 1,409 to date; 1,392 have been closed.
- Eight (8) WBGT (Wet Bulb Globe Thermometer) weather alerts were issued last week. These are issued to alert supervisors of the current heat level so they can evaluate their crews for physical effort, PPE requirements and acclimation to determine appropriate maximum stay times and associated work/rest regimens.
- The last recordable injury, an insect bite, occurred on August 2, 2010.

INFRASTRUCTURE/ASH MANAGEMENT

- Efforts for site maintenance, dust control, and HAZWOPER control continued.
- Mayes Construction continued installation of the offsite utilities with 97% complete.
- Mayse Construction has completed all utility restoration and enhancements installation except for those on Swan Pond Circle Road that cross the new underpass bridge. Utilities ready for turnover to Harriman Utilities Board.
- Continued recovering cenospheres from the onsite ponds. Responded to outreach calls as received.

ASH DREDGING & PROCESSING

- Jacobs continued preparation of the On Scene Coordinator (OSC) Report for the time-critical removal action.
- Severson has demobilized from the site.

ASH DISPOSITION

- Loaded and transported six (6) unit trains this week. Norfolk Southern was unable to deliver empty cars for Sunday, September 26, loading. The missed delivery was a cascade effect from an engine failure issue on ash train 352 after leaving Birmingham on September 21.
- Crews have loaded and transported 358 unit trains for a total of approximately 3,480,809 tons.
- Continued monitoring moisture content of the ash and determined that the moisture content is such that we were able to ship trains without polymer throughout the week.
- Continued 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. Coordinated the delivery of five (5) coal trains last week, which were required to meet the demands for Plant production.

Note: Project to date tonnage is calculated as sum of Uniontown tonnages plus MACTEC bucket tonnages for trains without finalized Uniontown weights.

SKIMMER WALL

- Aquarius Marine, LLC started the Skimmer Wall reconstruction. The first caisson sheet piling template was set and four sheets of piling were set in place.

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 fourth 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, September 21, and Wednesday, September 22, 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 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.
- Swan Pond Embayment surface water sampling continues routinely once per week at two locations along the Swan Pond Embayment drainage.

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. With regulator approval of the revised Air Monitoring Plan, the TEOM is being converted to PM10 and relocated to PS09. PM2.5 average measurements at all stations for the past week were below the action level of 26 ug/m3 averaged over a 24-hour period.

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

- Raccoon sampling continues in conjunction with the University of Tennessee.
- TVA sample management and quality assurance staff are working with the biota analytical lab to improve sample throughput and prioritize samples for analysis.

River System EE/CA Sampling and Analysis

- Groundwater well sampling was initiated on Thursday, September 23.
- Final preparations for the geoprobe work were completed and the rig mobilized to the first location. Sampling will begin on Monday, September 24.

Non-Routine Sampling

- None to report.
- Field staff provided logistics support to a sampling team from Old Dominion University collecting samples for an independent research study funded by TVA through the Oak Ridge Associated Universities.

RIVER RESTORATION

- Continued the well installation, including repair of wells damaged during installation.

DREDGE CELL

- Civil Projects continued construction of the interim ash stacking within the Dredge Cell per the regulator-approved removal design package. Weekly project team meetings for the interim ash stacking began on Tuesday, September 21.
- Total Cumulative Volume Stacked as of September 26, 2010 is 47,000 cy based on truck counts and assumed shrinkage factor of 25%. Civil Projects is hauling from Pap's Hill and the West Storage Area to the Central Dredge Cell (Cell 3).
- Stantec continued to install geotechnical instrumentation within the Dredge Cell.
- Met with Stantec on Wednesday, September 22, to resolve questions/comments on the 30% design package for the North Dredge Cell (Dike C) Perimeter Containment.
- Attended a briefing with the regulators on the status of the Dredge Cell design on Thursday, September 23.

PLANT ASH DISPOSITION

- Civil Projects operated the rim ditch, sluice trench, and ash pond areas to remove plant-generated ash and process it for disposal.

EMBAYMENT ASH PROCESS

- Civil Projects continued the ash consolidation in the North Embayment. It is 88% complete. This work will be suspended October 1 to reallocate resources to the Middle Embayment excavation until the underpass is completed.
- MidState Construction placed concrete for the underpass bridge deck on Friday, September 14.

COMMUNICATIONS

Communications

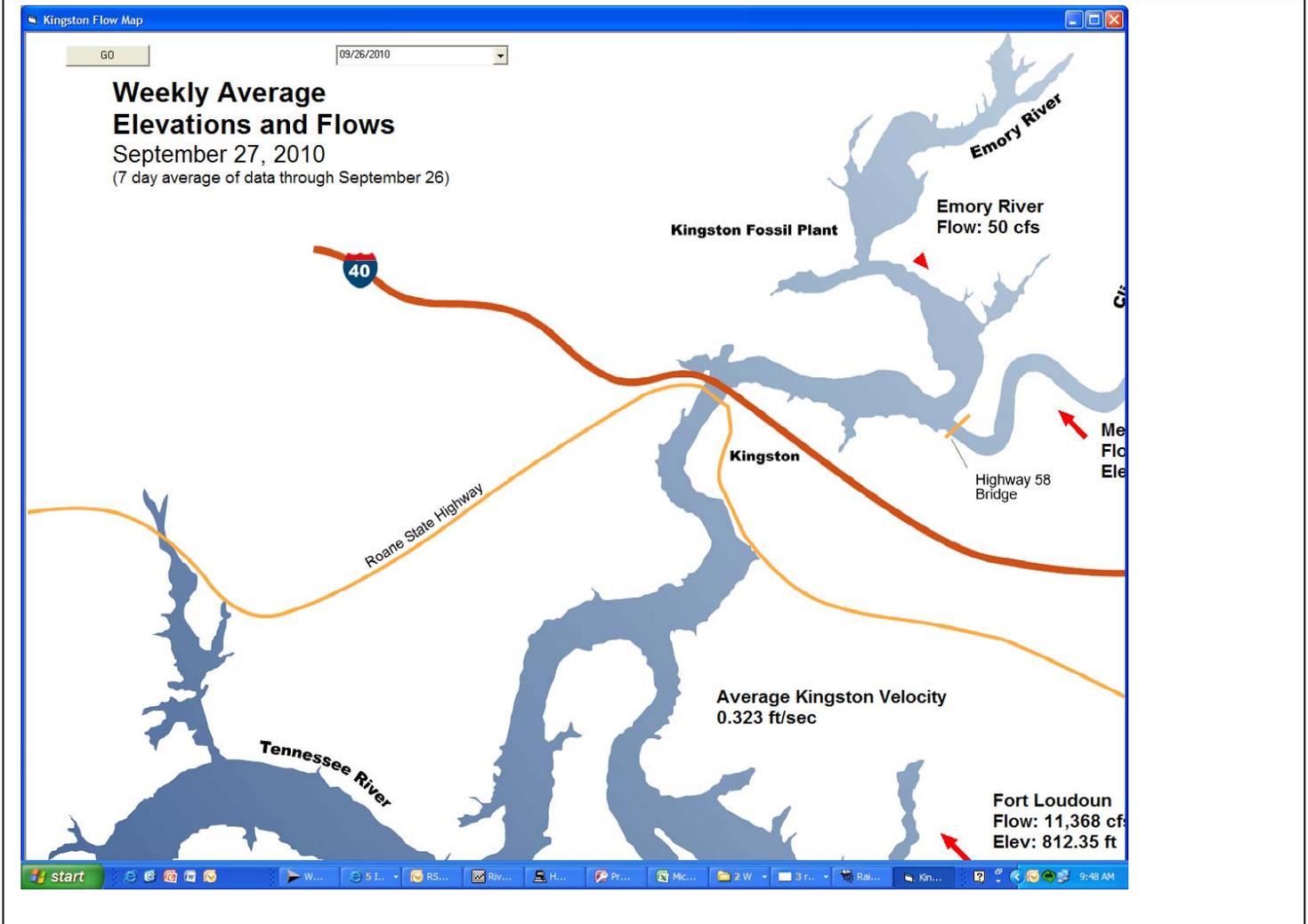
- Posted to Website: Public meeting schedule, Weekly Report, and Weekly Area Resident Update.
- Sent weekly update to the CAG and members of the public who have signed up to receive weekly emails.
- Took photos to accompany new weekly highlights and submitted for weekly report.
- Worked on copy for new *Inside the Cell* newsletter for site and plant employees.
- Prepared for interview with National Geographic publication.
- Worked with media on public meeting.

Outreach

- Provided updates to employees, customers, residents, and public officials on site activities.
- Conducted quarterly public meeting September 23 at Roane County High School.
- Worked on materials to be used for students at local high schools as part of the Educational Initiative project, and met with presenters.

- Updated Administrative Record with work plans and relevant documents.
- Continued to respond to calls and visits from residents.
- Attended Rockwood school groundbreaking.
- Attended Swan Pond community meeting.
- Finalized plan for CFC Day of Caring
- Drafted plan for site CFC fundraiser

RIVER OPERATIONS



Kingston Recovery Project		Date: September 20-26, 2010	Field Report	
Safety			Weekly Total	Cumulative Total
Near Misses			0	26
First Aid Incidents			0	74
Recordable Incidents			0	18
Recordable Lost Time Incidents			0	12
Environmental				
Org	Matrix	Samples*	Analyses*	Results*
TVA	Air - Real-Time (Final)	--	--	267,188
TVA	Air - Fixed	2,963	--	4,376
TVA	Surface/Utility Water	4,534	40,205	194,306
TVA	Ground Water (spring and well)	116	1,311	5,310
TVA	Ash	78	104	1,689
TVA	Soil/Sediment	278	483	3,736
TVA	Biota	1,731	3,885	45,658
*Week ending September 23, 2010				
Ash Dredging & Excavation			Weekly Total	Cumulative Total
River	Estimated Cubic Yards (including mechanical dredging)		0	2,762,105
Ash Excavation (east of Dike 2)	Estimated Cubic Yards **Modified to an in-place volume		0	758,849
Ash Excavation (other)	Estimated Cubic Yards **Modified to an in-place volume		0	73,000**
Ash Disposal	Estimated Tons		61,503	3,480,809

