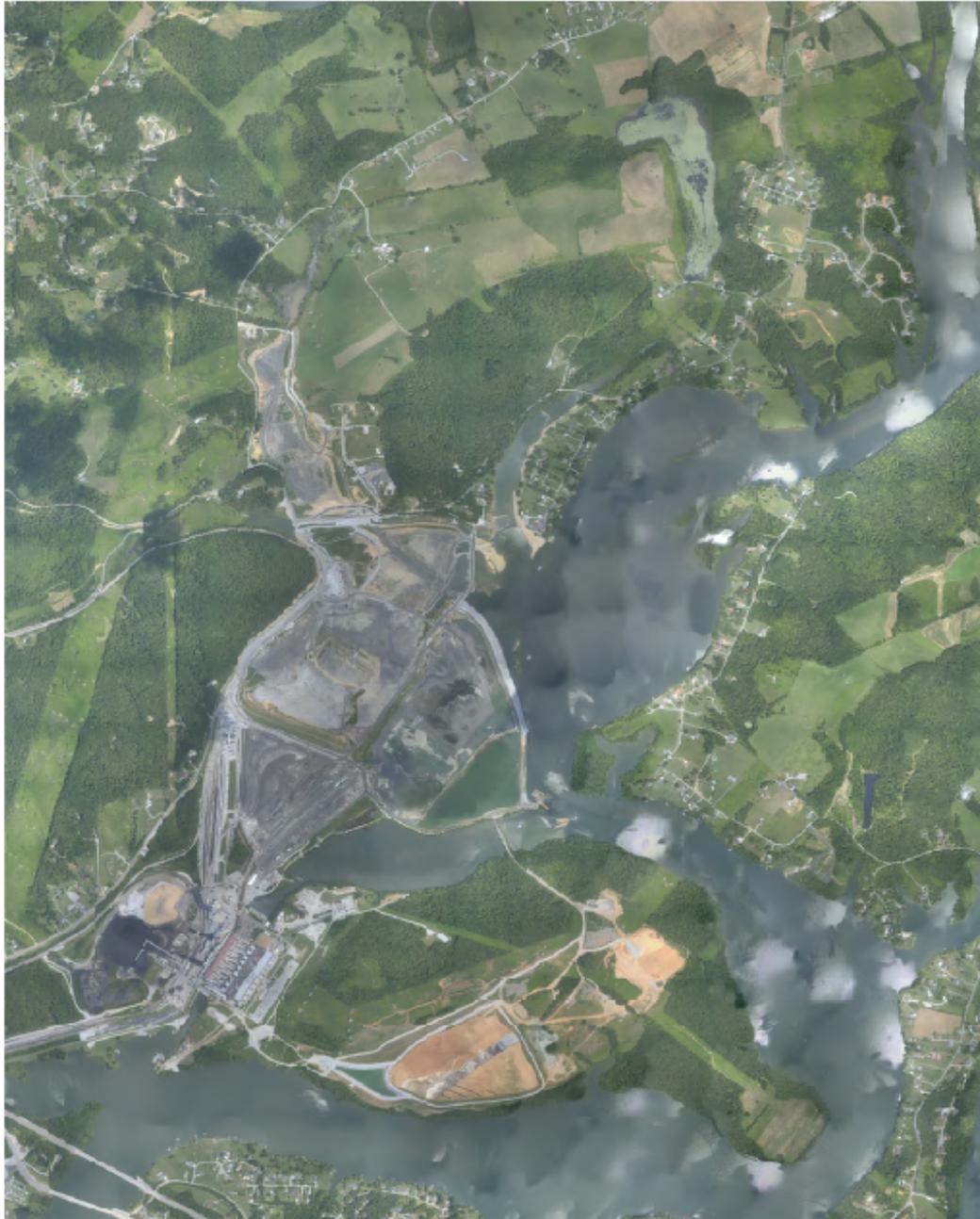


KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

August 30 – September 6, 2010

Aerial Image of Kingston Ash Slide (06/23/2010)



0 1,000 2,000 3,000 4,000
Feet

Date of map imagery: 06/23/2010

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Tennessee Valley Authority
Geographic Information & Engineering

Prepared by:
Mary McDermott

Issue (Date/Time)
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KINGSTON ASH RECOVERY PROJECT

WEEKLY REPORT

August 30 – September 6, 2010

HIGHLIGHTS

- To date, 340 unit trains have been loaded and approximately 3,309,660 tons of ash have been transported to Uniontown, Alabama.
- No incidents or injuries during the week.

SAFETY

Program Summary

- Eight (8) site specific HSE orientations were conducted for the week – 1,686 to date. One hundred ninety-six (196) HSE site orientation refresher courses have been conducted to date.
- One (1) Safety Observation Reports were submitted for the week – 1,356 to date; 1,317 have been closed.
- 11 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.
- No incidents or injuries last week. 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 95% complete. The Harriman Utilities 20" effluent line and the Kingston Utility 10" waterline installation were completed.
- Continued recovering cenospheres from the onsite ponds. Responded to outreach calls as received.

ASH DREDGING & PROCESSING

- Decontamination and demobilization of miscellaneous Severson materials continues.
- Sheet pile has been decontaminated and transported off site.
- Mechanic shop structure has been dismantled and removed.
- Repairs continue on rental barge at the intake channel.

ASH DISPOSITION

- Loaded and transported seven (7) unit trains again this week.
- Continued monitoring the rail in the yard for alignment issues considering the high temperatures we are experiencing.
- Continued monitoring moisture content of the ash and determined that the moisture content is such that we are shipping trains without polymer.
- 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 six (6) coal trains last week, which were required to meet the demands for plant production.

SKIMMER WALL

- The skimmer wall reconstruction is scheduled to start on September 13, 2010, with mobilization starting on September 7, 2010.

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 first of eight (8) rounds of surface water sampling for the river system engineering evaluation/cost analysis (EE/CA) surface water sampling task was completed on Wednesday, September 1, at 10 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. EPA's contractor, Tetra Tech, collected split samples.
- Automated samplers have been deployed and tested 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.
- Noteworthy results are reported below for Fixed River Location samples collected between 06/01/2010 and 07/26/2010. Comparisons to the F&AL are performed for dissolved concentrations only.
 - On the Tennessee River, arsenic was detected in 18 of 18 samples and selenium was detected in one sample. Arsenic and selenium concentrations were both well below the TDWS and F&AL criteria. Thallium was not detected in any Tennessee River sample.
 - On the Clinch River, arsenic was detected in 77 of 77 samples and selenium detected in 3 of 77 samples at concentrations well below the TDWS and F&AL. Total and dissolved thallium was detected in 4 of 77 samples. Thallium detections were near the limit of detection but exceeded the TWQC (0.00024 mg/L).
 - On the Emory River, arsenic was detected in 101 of 103 samples and selenium was detected in 40 of 103 samples. All detected arsenic and selenium concentrations were less than the TDWS and F&AL. Thallium was detected in 48 of 103 samples. Again, all thallium concentrations were near the limit of detection but exceeded the TWQC.
- 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

- Turtle trapping and sampling was concluded this past week.
- Raccoon sampling was initiated 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.

Non-Routine Sampling

- None to report.

RIVER RESTORATION

- Continued well installation, including repair of wells damaged during well installation.
- Continued leaching tests; preliminary results indicate significant change at pH of 10 in untreated ash batch tests; therefore, ordered additional tests at pH of 7, 8, 9, 10, and 11.

DREDGE CELL

- Continued regrading within the dredge cell, including excavation from a section of the middle embayment.
- Began installation of geotechnical instrumentation in anticipation of interim ash stacking.
- Attempted to core the DSM (Deep Soil Mixing) pilot columns, but equipment could not obtain suitable core material; ordered new equipment to be mobilized the week of Sept 9.
- Stantec delivered 30% removal design package for the perimeter containment system on August 31.

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 85% complete.
- MidState Construction, the underpass bridge erection contractor, completed concrete placement of bridge abutments and is making preparations for setting beams on September 7 and 8.

COMMUNICATIONS

Communications

- Posted to Website: 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 email.
- Distributed newsletter to site and plant employees.
- Updated site bulletin boards.

Outreach

- Provided updates to employees, customers, residents, and public officials on site activities.
- Worked on materials to be used for students at local high schools as part of the Educational Initiative project.
- Met with presenters for the Educational Initiative.
- Distributed information on the No-wake Zone reduction.
- Updated Administrative Record with work plans and relevant documents.
- Continued to respond to calls and visits from residents.

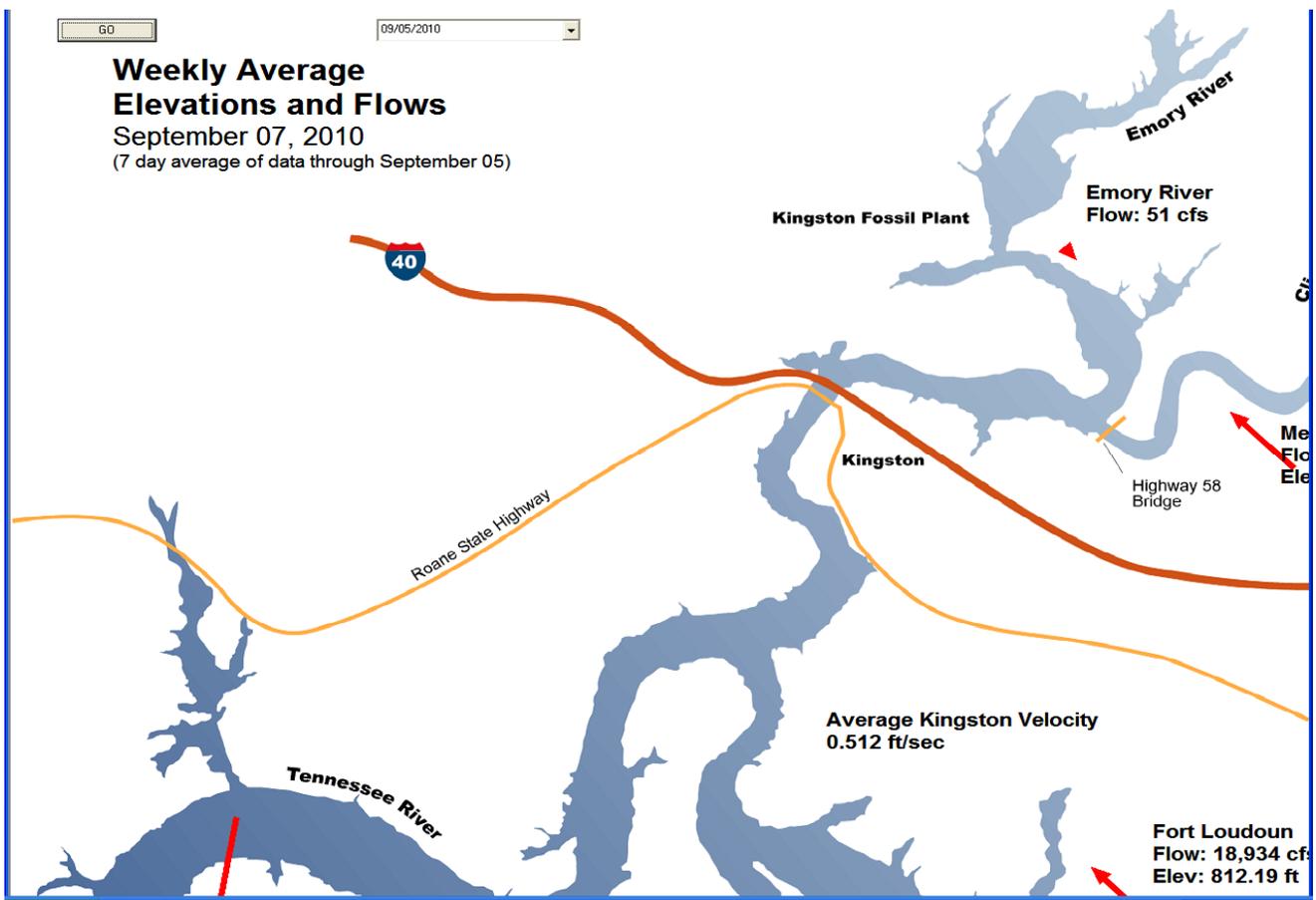
RIVER OPERATIONS

GO

09/05/2010

Weekly Average Elevations and Flows

September 07, 2010
(7 day average of data through September 05)



MEETINGS/CONFERENCE CALLS		
Date	Time	Subject
09/07	0930	BCP Meeting (ICP conference Room)
09/07	0930	Communications (Team Room)
09/07	0930	Review Initial Geosyntec Volumes (Old ICP Conference Room)
09/07	1000	TVA Weekly Communications Meeting (Team Room)
09/07	1030	Kingston Master Plan (ICP Conference Room)
09/07	1300	Nash Meeting (ICP Conference Room)
09/07	1400	Watch List (Team Room)
09/08	0900	Non-Time-Critical Weekly Meeting (ICP Conference Room)
09/08	1100	MRC Meeting (ICP Conference Room)
09/08	1300	Quality Leadership Team Meeting (Team Room)
09/08	1300	TVA, Jacobs, Stantec Status/Issues Meeting (ICP Conference Room)
09/08	1300	Greenwalt Meeting (Lakeshore Upstairs)
09/08	1330	Test America Weekly Call (Conference Call)
09/08	1430	Data Management Meeting (ICP Conference Room)
09/09	1000	Dredge Cell Design & Construction Meeting (ICP Conference Room)
09/09	1000	Pace Telecon (Conference Call Only)
09/09	1100	Kingston Master Plan (Team Room)
09/09	1130	HSE Staff Meeting (Old ICP Conference Room)
09/09	1300	Watch List (ICP Conference Room)
09/09	1300	Accident Investigations (Team Room)
09/09	1400	OSC Report (ICP Conference Room)
09/09	1500	Skimmer Wall Meeting (Old ICP Conference Room)
Daily	0730	TVA Monitoring Wells Meeting (Trailer 1 Meeting Room)
Mon & Thur	0730	Site Safety Orientation (Old ICP Conference Room)
Mon & Thur	1600	Planning Meeting (ICP Conference Room)
Daily	1630	Ash Disposal Daily Recap (Team Room)

Kingston Recovery Project		Date: August 30 – September 6, 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 (final)	2,608	--	3,946	
TVA	Surface/Utility Water	4,397	38,726	187,557	
TVA	Ground Water (spring and well)	113	1,305	5,296	
TVA	Ash	78	104	1,689	
TVA	Soil/Sediment	276	479	3,684	
TVA	Biota	1,434	3,181	37,529	
*Week ending September 2, 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			78,898	3,309,668

Ash Loading to Trains - Weekly as of September 5th

