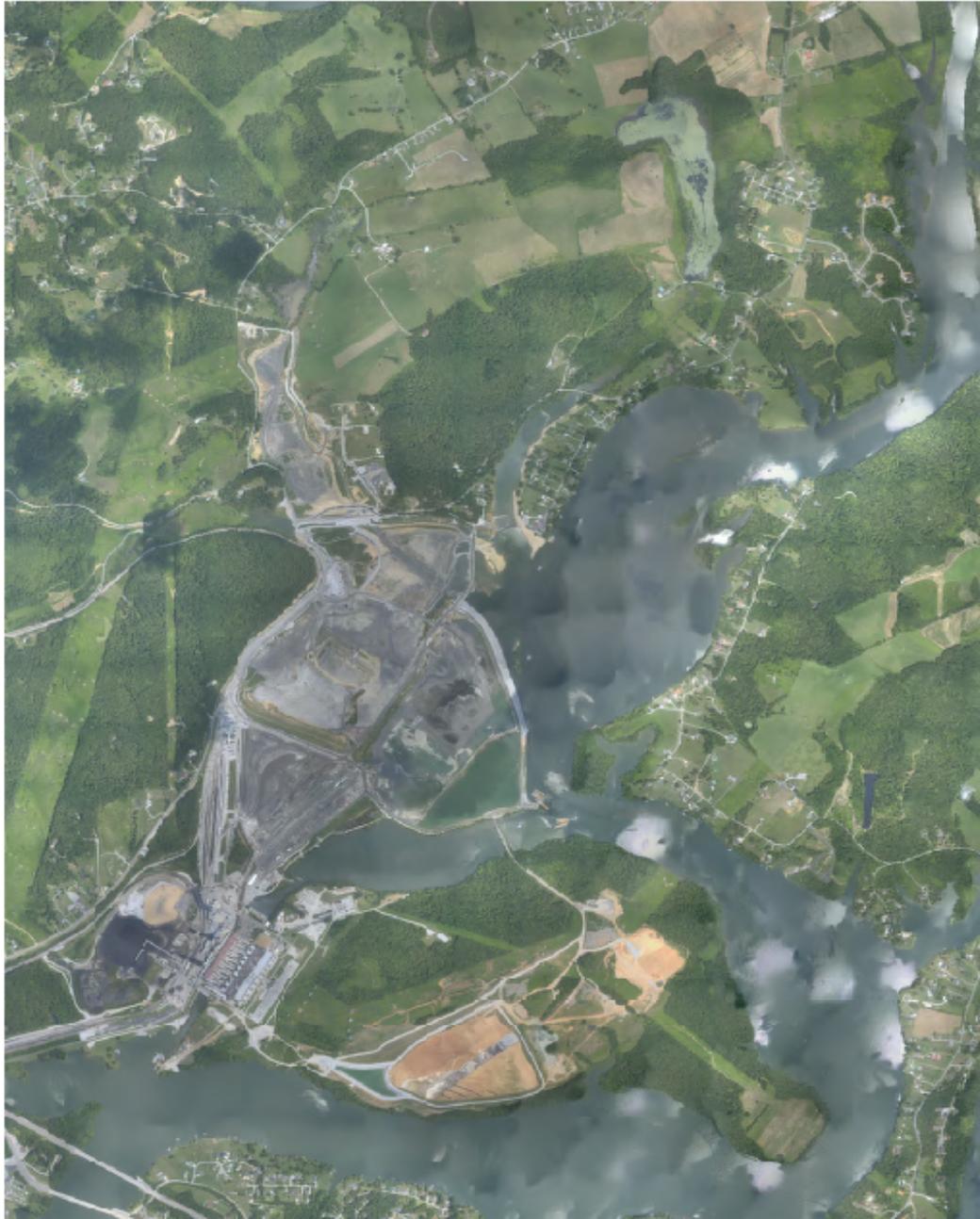


KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

August 23-29, 2010

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



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Feet

Date of map imagery: 06/23/2010

Tennessee Valley Authority
Geographic Information & Engineering

Prepared by:
Mary McDermott

Issue (Date/Time)
08/30/2010 5:21:36 PM

KINGSTON ASH RECOVERY PROJECT

WEEKLY REPORT

August 23-29, 2010

HIGHLIGHTS

- To date, 332 unit trains have been loaded and approximately 3,230,770 tons of ash have been transported to Uniontown, Alabama.
- No incidents or injuries during the week.

SAFETY

Program Summary

- No site specific HSE orientations were conducted for the week – 1,678 to date. One hundred ninety-six (196) HSE site orientation refresher courses have been conducted to date.
- One hundred eleven (111) Safety Observation Reports were submitted for the week – 1,355 to date; 1,316 have been closed.
- 10 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 93% complete.
- Continued recovering cenospheres from the onsite ponds. Responded to outreach calls as received.

ASH DREDGING & PROCESSING

- Continued drafting of Section 2 of the On Scene Coordinator (OSC) Report.
- Sheet pile removal along the Rim Ditch complete.
- Sheet pile continues to be decontaminated at the press pad and transported off site.
- Decontamination and demobilization of miscellaneous materials continues.
- Completed removal of mechanically dredged materials from Aquarius and TVA barges at the skimmer wall dock.
- River dredging activities have been completed.

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.
- TVA Central Engineering, Jacobs, and Worley-Parsons completed the review of the skimmer wall design. Issuance of construction drawings was completed on August 25.
- Aquarius received the first shipment of sheet piling for caissons on August 26.

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

- Routine surface water samples were collected at 10 fixed locations on the Emory, Clinch, and Tennessee Rivers on Monday, August 23, and Friday, August 27. Monitoring under the Non-Time-Critical Surface Water Monitoring Plan will commence on Tuesday, August 31.
- Surface water analytical results are compared to the Tennessee Drinking Water Standards (TDWS), the Ambient Water Quality Criteria for Fish and Aquatic Life (F&AL) and to the Tennessee Water Quality Criteria (TWQC) to establish a reference point for evaluating the potential significance of the data.
- 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 continued routinely twice per week at two locations along the Swan Pond Embayment drainage.

Sediment Sampling

- Vibecore sampling continued in support of the final determination of ash deposition near the South Dock.

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 is nearly complete.
- TVA sample management and quality assurance staff are working with the biota analytical lab to improve sample throughput and prioritize samples for analysis. An additional lab is being brought on line to help with the backlog.

Non-Routine Sampling

- Field staff provided logistics support for a team from Duke University collecting samples on the Emory, Clinch, and Tennessee rivers from August 23 - 25.

RIVER RESTORATION

- Continued well installation.
- Began flowmeter testing of wells.

DREDGE CELL

- Continued subgrade preparation in accordance with the revised subgrade work plan.
- Held meeting with TDEC on dredge cell design concepts
- Stantec delivered 30% design sketch for dredge cell ash stacking.

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 84% complete.
- Civil Projects continued installation of the underpass foundation wall panels and rock fill. The panel and foundation rock fill installation is 99% complete.
- MidState Construction, the underpass bridge erection contractor, formed and placed the second lift on the East abutment and the first lift on the West abutment. Delivery of the pre-stressed beams is scheduled to start on Tuesday, September 7.

COMMUNICATIONS

Communications

- Posted to Website: Weekly Report, Non-Time-Critical Removal Work Plan for the Embayment / Dredge Cell, and Weekly Area Resident Update.
- Sent weekly update to the CAG and members of the public who have signed up to receive weekly emails.
- Worked on ad to run in Roane County News and The Shopper advertising the September 23 public meeting.
- Finalized new issue of *Inside the Cell* newsletter for site and plant employees.
- Picked up new site "no access" signs to be placed along Dike C area.
- Finalized ad copy for August non-time-critical work plans.
- Updated Community Involvement Plan implementing EPA comments.
- Provided updates to employees, customers, residents, and public officials on site activities.

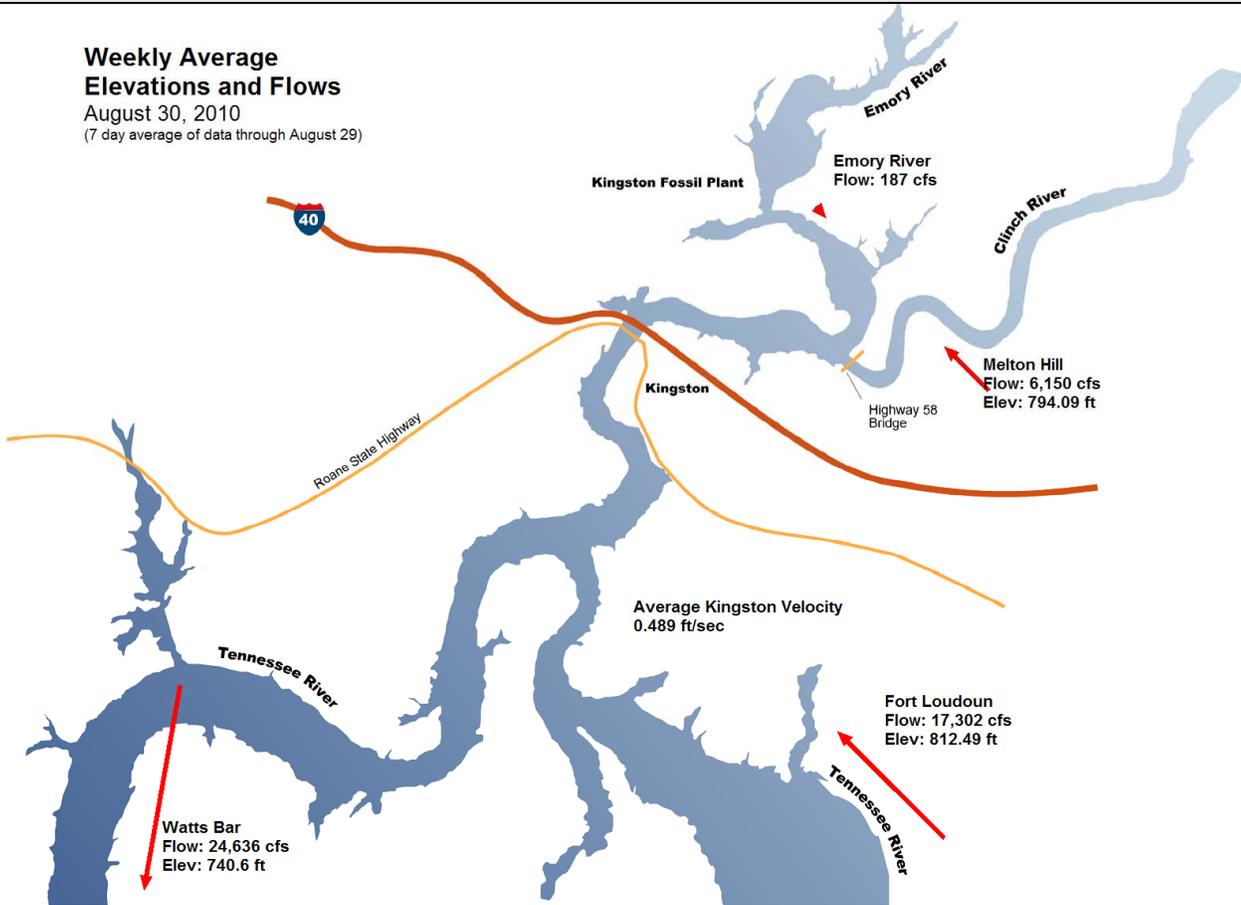
Outreach

- Worked on materials to be used for students at local high schools as part of the educational initiative.
- Conducted the second team meeting with potential presenters for the educational initiative.
- Finalized and distributed communication to all Kingston site personnel encouraging compliance with all traffic laws on site; updated all on-site bulletin boards with same information.
- Worked with Roane County High School on plans for September Public Meeting.
- 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

August 30, 2010
(7 day average of data through August 29)



MEETINGS/CONFERENCE CALLS		
Date	Time	Subject
08/30	0800	Environmental Meeting (ICP Conference Room)
08/30	1100	Jacobs Senior Managers Meeting (ICP Conference Room)
08/30	1300	Environmental Staff Meeting (Team Room)
08/30	1300	Stantec Readiness Review (Trailer 1 Meeting Room)
08/30	1400	Schedule Updates (ICP Conference Room)
08/30	1630	Recovery Briefing (ICP Conference Room)
08/31	0930	Communications (Team Room)
08/31	1000	TVA Weekly Communications Meeting (Team Room)
08/31	1100	Harper Meeting (Team Room)
08/31	1030	KIF Master Plan (ICP Conference Room)
08/31	1300	Deep Soil Mixing Lesson Learned Meeting (ICP Conference Room)
08/31	1500	Carlin/Lloyd Moody Bond, NYC, Briefing (Team Room)
09/01	0900	Non-Time-Critical Weekly Meeting (ICP Conference Room)
09/01	1000	Sevenson Accruals (ICP Conference Room)
09/01	1000	Methods 1313 and 1316 (Team Room)
09/01	1100	MRC Meeting (ICP Conference Room)
09/01	1300	TVA, Jacobs, Stantec Status/Issues Meeting (ICP Conference Room)
09/01	1330	Test America Weekly Call (Conference Call)
09/01	1430	Data Management Meeting (ICP Conference Room)
09/01	1500	OMB Briefing (Team Room)
09/02	0900	Kingston Update (Team Room)
09/02	1000	Pace Telephone (Conference Call)
09/02	1130	HSE Staff Meeting (Old ICP Conference Room)
09/02	1400	OSC Report (ICP Conference Room)
09/02	1400	Stantec Design Review (Old ICP Conference Room)
09/02	1400	SOP Meeting (Team 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 23-29, 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)	2,583	--	3,855	
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	268	447	3,368	
TVA	Biota	1,330	3,014	34,762	
*Week ending August 26, 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			70,970	3,230,770

Ash Loading to Trains - Weekly as of August 29th

