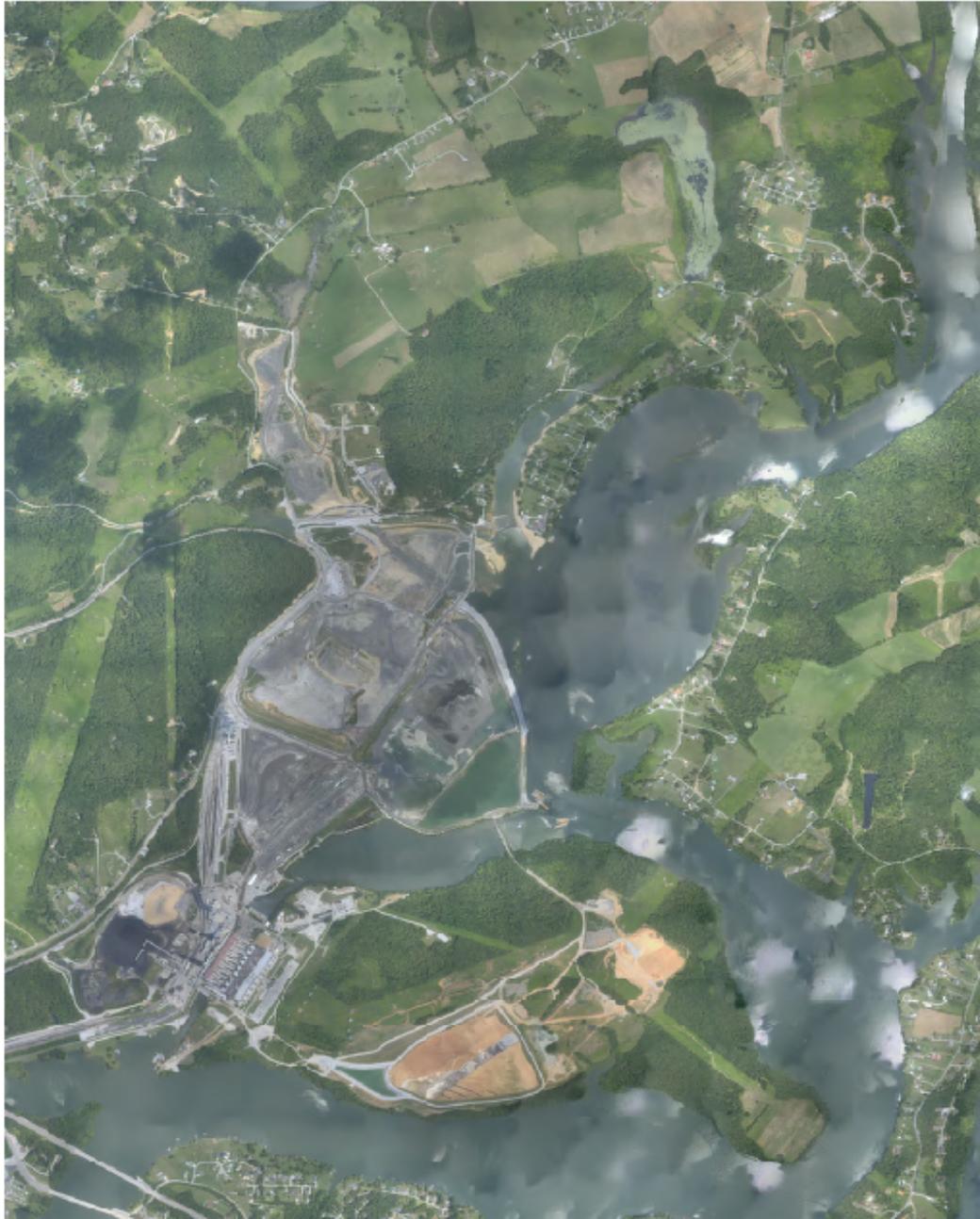


KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT July 26 – August 1, 2010

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

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KINGSTON ASH RECOVERY PROJECT

WEEKLY REPORT

July 26 – August 1, 2010

HIGHLIGHTS

- To date, 305 unit trains have been loaded and approximately 2,949,600 tons of ash has been transported to Uniontown, Alabama.
- All dredges have been demobilized and are gone from site.

SAFETY

Program Summary

- Eleven (11) site specific HSE orientations were conducted for the week – 1,643 to date. Thirty-nine (39) HSE site orientation refresher courses were conducted for the week - 159 to date.
- Six (6) Safety Observation Reports were submitted for the week – 1,198 to date; 1,141 have been closed.
- Sixteen (16) 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, a bee sting, occurred on July 9, 2010.

First Aid Incident:

- July 29, 2010 – A Severson employee was stung by a bee. Topical medication was applied at First Aid and the employee returned to work.

INFRASTRUCTURE/ASH MANAGEMENT

- Efforts for site maintenance, dust control, and HAZWOPER control continued.
- Mayes Construction continued installation of the offsite utilities with 90% complete.
- Continued recovering cenospheres from the onsite ponds. Responded to outreach calls as received.
- Moved ash from the west storage, relic and test embankment areas to the Ballfield for loading trains.
- Utilized the clamshell and dragline to remove and stack material from the Sluice Trench.

ASH DREDGING & PROCESSING

- Continued developing draft of the OSC Report. Created a collaborative site “eroom” for the OSC report, and posted an expanded OSC report outline.
- All dredges have been demobilized from the site.
- One tug boat and small work boat remain on site to support barge cleaning activities.
- Decontamination of TVA material barges continues, two complete and one remaining to be cleaned.
- Dredge discharge pipe has been decontaminated and taken to the River Ops lay down area for sizing.
- Decontamination and demobilization of the filter presses continue with only five (5) press stands remaining on the pad.
- Decontamination and demobilization of heavy equipment nearly complete, with one excavator remaining to assist with sheet pile removal.
- Removal of sheet pile weir walls at the rim ditch began, awaiting final approval of the cantilever wall work.

ASH DISPOSITION

- Loaded and transported seven (7) unit trains again this week.
- To date, 305 unit trains for a total of approximately 2,949,600 tons have been loaded and transported.
- Continuing to monitor the rail in the yard for alignment issues considering the high temperatures we are experiencing.
- Continued monitoring moisture content of the ash and placing polymer in rail cars prior to shipping to Alabama. The moisture content is such that some cuts of cars are being shipped without polymer.
- 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. Coordinated the delivery of seven (7) coal trains last week, which were required to meet the demands for plant production.

SKIMMER WALL

- Aquarius Marine LLC, the Skimmer Wall Removal contractor, is mechanically dredging the Intake Channel skimmer area for ash and debris. The debris removal work is 75% 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

- Routine surface water samples were collected at 10 fixed locations on the Emory, Clinch, and Tennessee Rivers on Monday July 26th, and Friday, July 30th.
- Surface water analytical results are compared to the Tennessee Drinking Water Standards (TDWS) and the Ambient Water Quality Criteria for Fish and Aquatic Life (F&AL) 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 05/04/2010 and 06/04/2010. Comparisons to the F&AL are performed for dissolved concentrations only.
 - On the Tennessee River, arsenic was detected in 12 of 13 samples and selenium (dissolved) 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. Dissolved copper previously reported as detected in one sample exceeding the F&AL was determined to be a non-detect during data validation.
 - On the Clinch River, arsenic was detected in 40 of 40 samples and selenium detected in 3 of 40 samples at concentrations well below the TDWS and F&AL. Total and dissolved thallium was detected in 1 of 40 samples and exceeded the TWQC (0.00024 mg/L).
 - On the Emory River, arsenic was detected in 43 of 49 samples and selenium was detected in 10 of 49 samples. Two detected arsenic concentrations exceeded the TDWS. All detected selenium concentrations were less than the TDWS and F&AL. Thallium was detected in 4 of 49 samples and all detected concentrations exceeded the TWQC. Dissolved copper was detected in 28 of 49 samples with one concentration collected at ERM 12.2 reported as exceeding the F&AL rejected during validation. Lead was detected in 32 of 49 samples, with one sample from ERM 2.1 exceeding the TDWS.
- Swan Pond Embayment surface water sampling continued routinely twice per week at two locations along the Swan Pond Embayment drainage.
- Automated samplers are being located in the Emory and Clinch Rivers; and in the Swan Pond Embayment in preparation for implementation of the Non-Time Critical Surface Water Monitoring Plan.
- A readiness review was held on Tuesday July 27 to prepare for implementation of the Non-Time Critical Surface Water Monitoring Plan. The plan was approved by EPA and TDEC July 23. The plan will be implemented as soon as mechanical dredging is completed along the mouth of the Embayment.

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 will be continuing over the next several weeks.

- 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

- Installed 2 rotonsonic wells in bedrock. Completed leaching batch tests on lime-treated and untreated ash. Making preparations for site-wide water level measurements and geoprobe sampling. Completed initial MODFLOW analyses to develop predictions of phreatic surface inside closed dredge cell.

DREDGE CELL

- Continued recontouring in central dredge cell. Submitted revised work plan for the recontouring to slope from Test Cell toward the East-West haul road.
- Continued the Deep soil Mixing Pilot Test with five of eleven holes completed.

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 78% complete.
- Civil Projects continued installation of the underpass foundation wall panels and rock fill. It is 45% complete.

COMMUNICATIONS

Communications

- Posted to Website: Revised Surface Water Monitoring Plan, Revised Site Dust Control and Air Monitoring Plan, Weekly Report, and Weekly Area Resident Update.
- Sent weekly update to the CAG and one to members of the public who have signed up to receive it.
- Provided site tour for News Sentinel publisher; provided interview to Washington, D.C. publication; participated in tele-con with documentary producer.
- Worked on new issue of site newsletter for site and plant employees.
- Met with representatives from communications, environmental and creative services on web site redesign and environmental data accessibility.
- Accompanied guest speaker for Leadership Oak Ridge program at the Oak Ridge High School.
- Prepared newspaper ad for Roane County News and The Shopper for time critical work plan public comment period.

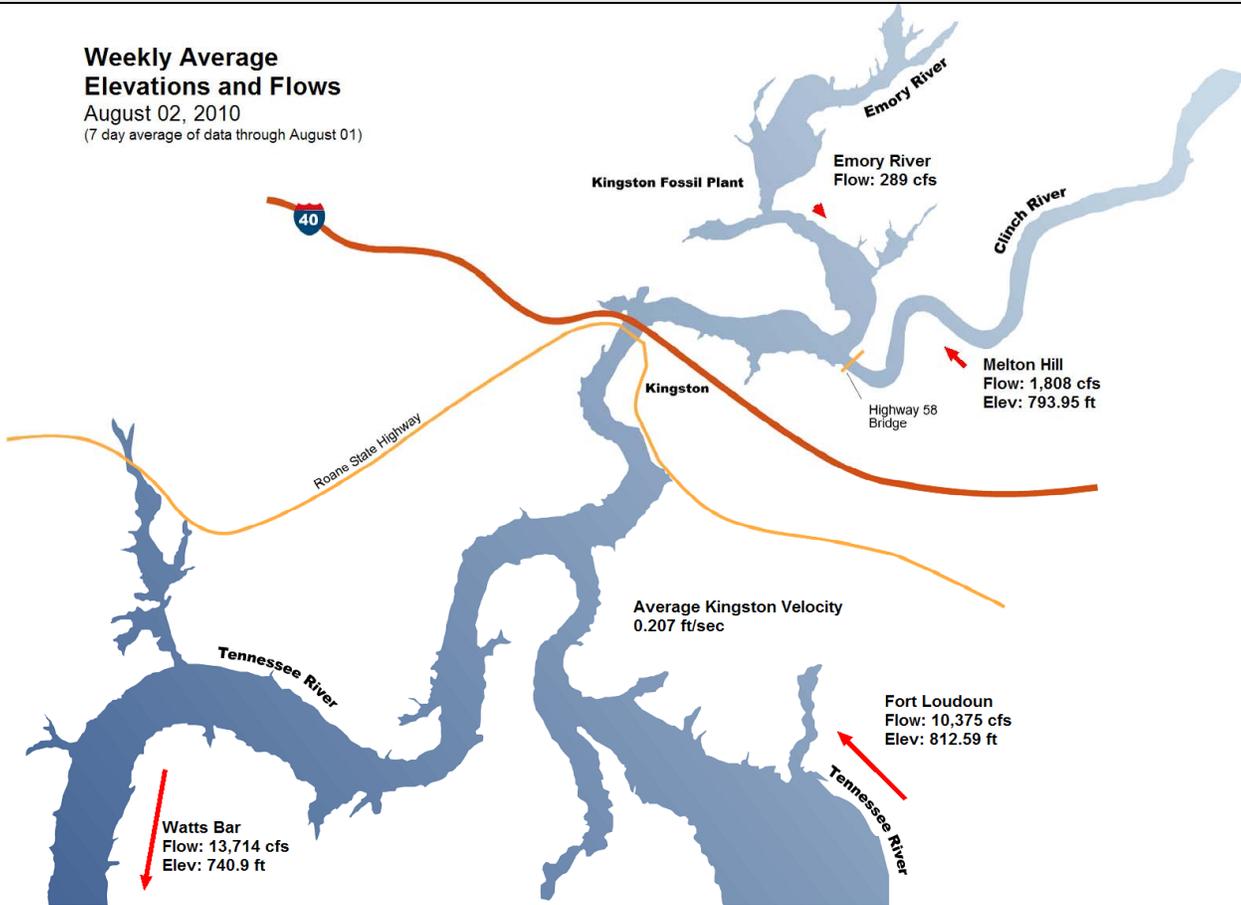
Outreach

- Provided updates to employees, customers, residents, and public officials of site activities.
- Updated Administrative Record with work plans and relevant documents.
- Continued to respond to calls and visits from residents.
- Prepared draft summaries of changes that will occur in monitoring plans.

RIVER OPERATIONS

Weekly Average Elevations and Flows

August 02, 2010
(7 day average of data through August 01)



MEETINGS/CONFERENCE CALLS		
Date	Time	Subject
08/02	0800	Environmental Meeting (ICP Conference Room)
08/02	1000	Aquatic Resources Studies (Team Room)
08/02	1000	Programs and Activities (Trailer 1 Meeting Room)
08/02	1100	Jacobs Senior Managers Meeting (ICP Conference Room)
08/02	1300	Environmental Staff Meeting (Team Room)
08/02	1300	QA Assessment (Trailer 1 Meeting Room)
08/02	1345	Deep Soil Mixing Kickoff Meeting (Trailer 1 Meeting Room)
08/02	1400	Schedule Updates (ICP Conference Room)
08/02	1430	Deep Soil Mixing Meeting (Team Room)
08/02	1500	Performance Indicators (ICP Conference Room)
08/03	0900	Deep Soil Mixing Documentation (Trailer 1 Meeting Room)
08/03	0930	Communications (Team Room)
08/03	1000	TVA Weekly Communications Meeting (Team Room)
08/03	1300	Deep Soil Mixing Meeting (Team Room)
08/03	1300	Skimmer Wall Documentation (Trailer 1 Meeting Room)
08/03	1500	Aquarius Skimmer Wall Meeting (Old ICP Conference Room)
08/03	1500	Mayse and Bridge Documentation (Trailer 1 Meeting Room)
08/03	1530	Industrial Hygiene Meeting (ICP Conference Room)
08/04	0900	Non-Time-Critical Weekly Meeting (ICP Conference Room)
08/04	1100	MRC Meeting (ICP Conference Room)
08/04	1400	TVA, Jacobs, Stantec Status/Issues Meeting (ICP Conference Room)
08/04	1330	Test America Weekly Call (Conference Call)
08/04	1430	Data Management Meeting (ICP Conference Room)
08/05	0900	Kingston Update (Team Room)
08/05	1000	Norfolk Southern Meeting (Old ICP Conference Room)
08/05	1000	Pace Telephone (Conference Call)
08/05	1130	HSE Staff Meeting (ICP Conference Room)
08/05	1400	OSC Report (ICP Conference Room)
08/05	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)
Daily	1500	Continuation of Dredge Progress & Contingency Plan (ICP Conference Room)
Mon & Thur	1600	Planning Meeting (ICP Conference Room)
Daily	1630	Ash Disposal Daily Recap (Team Room)

Kingston Recovery Project		Date: July 26 – August 1, 2010		Field Report	
Safety				Weekly Total	Cumulative Total
Near Misses				0	26
First Aid Incidents				1	65
Recordable Incidents				0	17
Recordable Lost Time Incidents				0	12
Environmental					
Org	Matrix	Samples*	Analyses*	Results*	
TVA	Air - Real-Time	--	--	267,188	
TVA	Air – Fixed	2,533	--	3,742	
TVA	Surface/Utility Water	4,253	37,370	181,100	
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	1,203	2,778	31,301	
*Week ending July 30, 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			73,000	2,949,600

Note: River dredging was completed on June 28, 2010.

Ash Loading to Trains - Weekly as of August 1st

