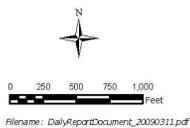


KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

June 29 – July 5, 2009



Legend	
— Dike #2	— Skimmer Wall
— Dike C	— Weir # 1
— Dike D	 Proposed Dredge Segment
	 Ash Processing Facility

Date of map imagery: Feb. 25, 2009

Tennessee Valley Authority
GE&R - ER&S
Geographic Information & Engineering

Prepared by:
Mary McDermott

Issue (Date/Time)
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KINGSTON ASH RECOVERY PROJECT

WEEKLY REPORT

June 29 – July 5, 2009

HIGHLIGHTS

- Moved roughly 26,000 cubic yards of ash east of Dike 2 to the ash storage area.
- The clean water ditch is now open to the river.
- Gave a notice to proceed to Severson Environmental Services to dredge ash out of the river long-term.
- Removed nearly 38,000 cubic yards from the river by both hydraulic and mechanical dredging.
- Loaded and sent out two unit trains of ash to Alabama for disposal.

INFRASTRUCTURE/ASH MANAGEMENT

Engineering

- Continuing electrical design for the car wash – working with TVA on electrical requirements.
- CTI (Utilities Engineer) continuing the engineering of the utility enhancements. CTI and Jacobs held meeting with Harriman and Kingston Utility Boards. Both organizations requested TVA contract and oversee the installation of the new utilities.
- Worked on sketch for ramp along the northern end of Dike C to be utilized for ash removal east of Dike 2.
- Total Ash Movement East of Dike 2 Work Plan was approved.

Utilities

- No construction activities at this time.

Water Management

- Removed the plug at the river and opened the clean water ditch from the west embayment to the river.
- Worked on constructing the clean water ditch in the east embayment and completed the haul road on the west side in preparation of ash removal.
- Continued work on the dirty water ditches in the north embayment.
- Continued installation of check dams and re-contouring of area for effective water management/drainage.
- Performed Storm Water Pollution Prevention Plan (SWPPP) inspections as required.

Dust/Erosion Control

- 4 acres of Flexterra applied this week.
- 360 acres of Flexterra applied since January 31, 2009.
- Continuing operating water trucks on roads and around ash piles as needed for dust control.
- Applied calcium chloride along the roads on Dike C as a test to determine possible long term use.
- Working with TVA personnel on additional short and long term remedies for dust control – seeding, alternatives to Flexterra and misters.

Miscellaneous

- Continued moving ash from east of Dike 2 to the ash storage area. Moved approximately 26,200 in-place cubic yards this week.
- Continued installation of snow fence, signage, and support areas in preparation for implementation of the HAZWOPER site.
- Continued building the new construction entrance off of Swan Pond Road.

ASH DREDGING & PROCESSING

- Completed negotiations with the new dredging and processing contractor and Severson Environmental Services received a notice to proceed for dredging and processing.
- Removed approximately 33,500 cubic yards of material from the River by hydraulic dredging and approximately 4,200 cubic yards from the River via mechanical dredging.
- Completed muffler installation on the Yellow Dredge which allows 24-hour operation on the River.
- Resumed dredging the Stilling Pond and began planning for resuming dredging in the Ash Pond once the Stilling Pond is completed.

ASH DISPOSITION

- Received approval to load and ship ash.
- Loaded and sent out first unit train (80 cars) on Thursday, July 2nd, and the second unit train (85 cars) on Saturday, July 4th.
- First unit train arrived in Alabama on Friday, July 3rd, and the second on Monday, July 6th.
- Began unloading the first set of rail cars at the landfill in Alabama on Saturday, July 4th, and completed unloading on Sunday, July 5th.
- MACTEC and Norfolk Southern continuing to work together on design of a tarp for the rail cars.
- TransAsh continues to process the ash from the rim ditch and distribute in the storage/loading areas.

CENOSPHERE RECOVERY

- Utilized a long reach excavator to remove cenospheres from the sluice channel.
- VAC trucks on plant were reduced to one TVA operated vacuum truck.
- Continued to work down stream in the area of Tennessee River Marker TRM-548, as well as, areas in the Clinch and the Emory.
- The EPA, with the assistance of the Coast Guard, is patrolling the rivers for cenospheres. The EPA provided a map of the locations having some amounts of cenospheres. The locations are being incorporated into the existing outreach procedure.
- Increased the number of barge VTUs to five with the addition of the new TVA barge set.
- Set up a TVA-owned and operated barge mounted excavator and began removing heavy debris from Emory and Clinch Rivers.

SKIMMER WALL

- Monitored turbidity data for the week with no significant spikes of turbidity in the intake channel or in the discharge.

DIKE REINFORCEMENT

- Continued working on final report for Dike C stability.
- Continued working on stability report for Dike D and Dike 2.
- Continued to monitor the eleven seeps along Dike C. It appears the seeps are stable. With the lack of rains over the past several days, the seeps are shrinking in size. Monitoring of the seeps will continue.
- Scheduled a meeting for Tuesday, July 7th, with Stantec and the EPA geotechnical consultants from the Bureau of Reclamation.

ROUTINE MONITORING

Surface Water Sampling

- Routine surface water fixed station monitoring occurred on Monday and Wednesday, June 29th and July 1st. Samples for nutrient analyses continued with the weekly sampling event performed on Wednesday. Through mid-June, there have been no ash-related constituents detected above any criteria (i.e., ambient water quality, domestic water supply). The total suspended solids (TSS) concentrations have been consistently less than 20 mg/L.
- Monitoring of surface water from dredging plumes continued on a daily basis.
- Ash Recovery System sampling continued on Tuesday, June 30th, and Thursday, July 2nd.
- A revised Surface Water Sampling Plan is in preparation.

Air Sampling

- All air monitoring results, including fixed-station and real-time monitoring, continue to have results below ambient air quality criteria. The few occasional exceedences of particulate measurements with the real-time instruments have all been at locations where smoke and the odor of wood fires have been noted.
- Proposals are due on July 8 for the re-bid of the air monitoring contract as does monitoring surface water at Swan Pond Embayment.
- On July 2nd, an out brief meeting was held with EPA Region 4 and TDEC to discuss the results of an air monitoring program audit performed the week of June 29th. The general results of the audit were positive. TVA is responding to requests from EPA and TDEC for additional information on historical data. EPA and TDEC made several recommendations to improve the air monitoring program. The results will be documented in an audit report; however, TVA will initiate actions based on the out brief meeting.

Sediment Sampling

- A draft sediment sampling plan has been prepared to evaluate the extent of ash deposition in the area of Emory River Mile 0.0 to 1.0. Sample collection methods are being evaluated to ensure that the sampling method yields a representative sample of the sediments, i.e., the depth of penetration into the sediment is adequate to evaluate the depth of ash.

FINAL REMEDIATION

- Work is underway on developing the work plan that will lay out the approach for decision making for the non-time critical removal action. Work continues on data validation to support the screening level risk assessments that are being conducted.
- TDEC continues to review the dredge cell test work plan. Questions on the plan were received on July 2nd.

SAFETY

- 9 site specific HSE orientations conducted for the week, 385 to date.
- 4 Safety Observation Reports submitted for the week; 69 to date - 47 have been closed.
- Week 6 of HAZWOPER training complete - 228 trained to date.
- Two simultaneous Hazwoper classes were held during week 6. This will continue for weeks 7 and 8.

COMMUNICATIONS

Communications

- Prepared fact sheets on off-site ash disposal for EPA.
- Implemented communications plan for offsite disposal of ash, including press release, fact sheet, and media interviews.
- Posted to TVA's Kingston Webpage: Updated Air Sampling Results, Offsite Disposal of Ash.
- Added "On the Site Today" feature to TVA's Kingston Webpage.
- Continued to handle daily calls from the news media.

Outreach

- Continued to implement communications plan for railroad crossing safety at new Swan Pond Road rail spur: worked with procurement to order electronic signs, distributed doorhangers.
- Met with individual residents about property and operations issues.
- Continued appraisals and offers on properties TVA is willing to purchase.
- Continued to handle calls and visits from residents.
- Responded to Congressional Inquiries and TVAINFO letters about residents.

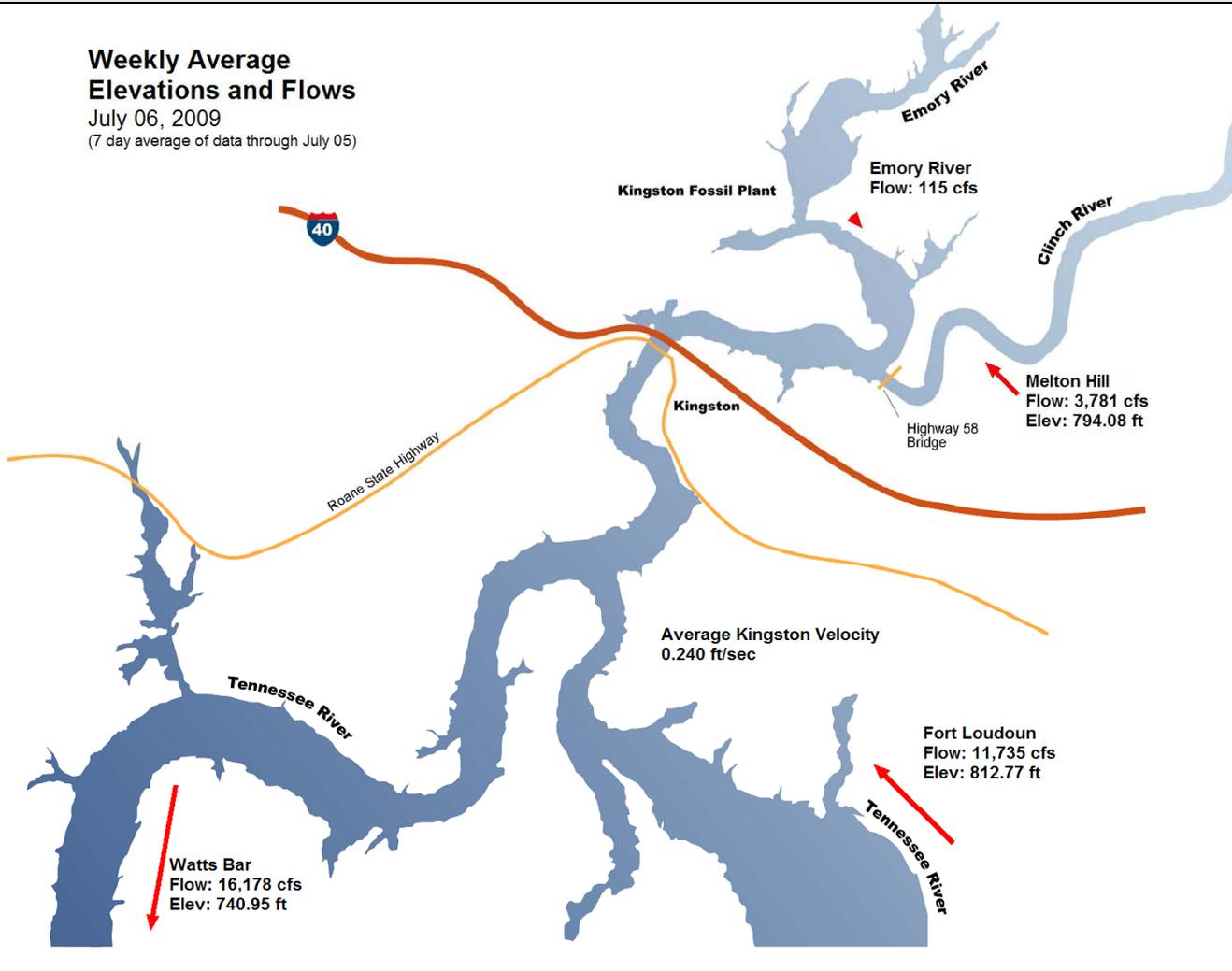
Valley/Government Relations

- Attended LTRC meeting, gave briefing on Root Cause Analysis.
- Presented check for Kingston fireworks display.

RIVER OPERATIONS

Weekly Average Elevations and Flows

July 06, 2009
(7 day average of data through July 05)



MEETINGS/CONFERENCE CALLS

Date	Time	Subject
07/06	0800	Time Critical Meeting (ICP Conference Room)
07/06	1000	KIF Barge Unloader Project (ICP Conference Room)
07/07	1000	Project Managers Weekly Meeting (ICP Conference Room)
07/07	1400	Dike Stability Meeting (ICP Conference Room)
07/07-09	0800-1700	Bureau of Reclamation (Team Room)
07/08	0800	Time Critical Meeting (ICP Conference Room)
07/08	0900	KIF Recovery Staff Meeting (ICP Conference Room)
07/09	0900	Dredge Cell Test Team Meeting (ICP Conference Room)
07/09	1130	HSE Staff Meeting (ICP Conference Room)
07/09	1400	Ash Disposal Ops Weekly Meeting (ICP Conference Room)
07/10	0800	Time Critical Meeting (ICP Conference Room)
Daily	1200	Ammonia Training (Team Room)
Daily	1700	Cenosphere Recovery Meeting (Team Room)

Safety Status/Personnel Casualty Summary

	Since Last Report	Adjustments To Previous Op Period	Total Involved
First Aid	0	0	11
Recordable Incidents	0	0	2
Lost/Restricted Time Incident	0	0	0

Cenosphere/Debris Removal		Quantity	
Recovered Materials		Weekly Total	Cumulative Total
Outreach	Light Debris Removal – Land (bags)	0	18,867
Divisions A, B,C,D Cleanup	Division shoreline cleanup (bags)	1,767	69,481
Total	Tons of Light Debris	0	959.57
Cenosphere Slurry (gallons)		60,000	6,145,500

Environmental					
Org	Matrix	Weekly Samples Collected	Total # of Samples Collected to date	Sample results	
				received	Verified
TVA	Air - Real-Time (6/29 - 7/2)	3,684	64,162	64,162	64,162
TVA	Air – Analytical (6/29 - 7/2)	12	1,467	1,383	1,039
TVA	Surface/Utility Water	74	1,886	1,728	198
TVA	Ground Water (spring and well)	0	24	29	2
TVA	Ash	26	173	100	50
TVA	Soil/Sediment	0	79	126	9

Ash Dredging/ Excavation				Weekly Total	Cumulative Total
River	Estimated Cubic Yards			37,694	357,499
Ash Pond	Estimated Cubic Yards			0	45,000
Stilling Pond	Estimated Cubic Yards			942	15,492
Ash Excavation (east of Dike 2)	Estimated Cubic Yards **Modified to an in-place volume			26,200	93,100**
Ash Excavation (other)	Estimated Cubic Yards **Modified to an in-place volume			0	73,000**

