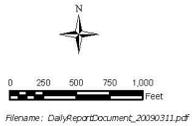


KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

August 3 - 9, 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) 08/10/2009 2:20:18 PM
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HIGHLIGHTS

- Moved approximately 21,000 cy of ash from east of Dike 2.
- Completed installation of the 1,800 feet of sheet piling along the rim ditch and of the sheet pile weirs.
- Restarted river dredging. Volumes will be estimated based on bathymetric survey information from now on and will be reported behind the weekly schedule.
- Completed baseline bathymetric survey.
- Loaded and moved 7 unit trains (roughly 63,000 tons of ash).

SAFETY

Incidents

- August 4 – TransAsh/Southern Shores demobilizing equipment at South Dock area. Flat bed truck was loaded with two barge sections, driver pulled away from load area prior to chaining down load, as truck proceeded to dead-end turn around area, the barge sections slipped off truck and landed on their side. Minor damage to barge sections and some concrete posts nearby. Very significant near miss. Crew was shut down for the remainder of the day and met the following morning to review JSA and assign specific responsibilities for overseeing work.
- August 9 – A Severson/Matteson pipeline crew got an excavator stuck in the wet ash near Dike C. Initial reports were that it was not a significant issue, as crew attempted to free machinery, it settled deeper into the ash and started to tip. Full investigation and report are pending.

Site Safety Activities

- 32 site specific HSE orientations conducted for the week, 653 to date.
- 24 Safety Observation Report submitted for the week; 160 to date; 120 of which have been closed.
- Scheduled 40/24 hour HAZWOPER class for Tuesday – Friday, week of 8/10/09.

INFRASTRUCTURE/ASH MANAGEMENT

Engineering

- The Kingston and Harriman Utility Boards approved the utility plans as designed by CTI. The drawings have been submitted to the state for review and approval.
- Continuing electrical design for the car wash – working with TVA on power source.

Utilities

- No construction activities at this time – prequalifying contractors who may bid the installation of the utilities.

Water Management

- Continued work on the clean water ditches in the north embayment, which includes installing rock for slope stabilization.
- Continued re-contouring of area for effective water management/drainage.
- Performed Storm Water Pollution Prevention Plan (SWPPP) inspections as required.

Dust/Erosion Control

- 2 acres of Flexterra applied this week.
- 389 acres of Flexterra applied since January 31, 2009
- Continued operating water trucks on roads and around ash piles as needed for dust control.
- Working with TVA personnel on additional short and long term remedies for dust control – seeding, alternatives to Flexterra, and misters.
- Working on the RFP for the long term dust control contract.

Miscellaneous

- Continued moving ash from east of Dike 2 to the ash storage area. Moved approximately 20,850 in-place

cubic yards this week.

- Paved parking lots for craft and support areas.
- Paved the new middle plant road, installed new guard rail, and installed new striping.
- Continued to fine tune the HAZWOPER requirements that are in full force – particularly focusing on the decontamination stations for both equipment and personnel.

ASH DREDGING & PROCESSING

- Completed the installation of the improved Rim Ditch working platform (designed to safely support excavation equipment).
- Completed installation of the sheet pile wall on the west edge of the Rim Ditch. Completed the final ~1,100 of the 1,800' long structure.
- Completed installation of the sheet pile weirs in the Rim Ditch.
- Performed shakedown of the Ellicott 670 dredge (McKenzie) and began day shift dredging on Thursday. Note - Thursday through Saturday dredge volumes will routinely be reported the following week based on time required to collect and process bathymetric data.
- Continued beveling and welding steel pipe for the 20" dredge (Little Rock).
- Hauled ash from the Rim Ditch and Sluice Trench to various locations in the ballfield/processing area.
- Completed initial dipping of the Rim Ditch in advance of resuming dredge operations this week. Continued dipping while dredging progressed.
- Completed baseline bathymetry and survey activities in advance of resuming dredging.
- Continued demobilization of Trans Ash and Southern Shores. Decontaminated equipment and transported numerous equipment off site including the dredge "Luzon", HDPE pipe, Conex boxes, excavators, spuds and spud wells, and other marine equipment.

ASH DISPOSITION

- Continued to load rail cars and ship the ash to the landfill in Alabama
- Loaded and moved 7 unit trains this week. Continued to work to refine the systems required to efficiently move the ash here in Kingston as well as Alabama.
- Loaded and transported approximately 63,000 tons of ash this week, for a total of approximately 243,000 tons.

CENOSPHERE RECOVERY

- Outreach calls from local residents are minimal. The focus remains on addressing EPA identified sites in nonresidential areas.
- The TVA tug and barge mounted excavator is assisting the barge crews downriver.
- Continued collecting cenospheres on site around the ash and stilling ponds. Two vacuum trucks are being used in conjunction with CPG activities to assist with the cenosphere recovery. There was a build-up of cenospheres in the two new sediment ponds along Dike 2, which the vacuum truck addressed.

SKIMMER WALL

- Task Order sent to Worley Parsons for engineering assistance on the skimmer.

DIKE REINFORCEMENT

- On Tuesday August 4th, Stantec presented their stability report for Dike C to the Bureau of Reclamation, TDEC and the EPA. In general, the report was well received. The Bureau asked to include additional discussion on seismic activity as a failure mode in the report.
- Continued to discuss the plan forward with Stantec on buttressing the Dike C. The current plan is to buttress the lower starter dike first. Work would begin from the south in the intake channel and from the north along the embayment.
- Continued to monitor the dikes at Kingston on a daily basis. Monitoring includes the previously identified eleven seeps.

ROUTINE MONITORING

Surface Water Sampling

- Routine surface water fixed station monitoring occurred on Monday, Wednesday, and Friday, August 3, 5,

and 7. Samples for nutrient analyses continued with the weekly sampling event performed on Wednesday. Through July 14, there have been no ash-related constituents detected above any criteria (i.e., ambient water quality, domestic water supply) for the three constituents of primary interest (arsenic, selenium, mercury). Since the May 4, 2009 Emory River high flow event, the total suspended solids (TSS) concentrations have been consistently less than 20 mg/L.

- Swan Pond Embayment surface water sampling has shifted to twice weekly at two locations along the Swan Pond Embayment drainage ditches. Since the tie-in off the Embayment settling basins, TSS results from samples collected at the settling basin effluent and from the clean water ditch have generally been 10 mg/L or less. The arsenic concentrations have generally declined since the settling basins were tied in and have been typically less than 0.05 parts per million (ppm) in total metals samples. When selenium has been detected, it has been on the order of 0.005 ppm. Mercury was detected six times in total metals samples collected at Dike 2 prior to the settling basin tie in at concentrations of around 0.00003 ppm.

Sediment Sampling

- Bottom surveys of ash deposits in the Emory, Clinch, and Tennessee Rivers continued the week of August 3. Field crews are using the new TVA bottom profile instrument coupled with visual observations to fine-tune the data acquisition process. Initial bounding surveys have been completed and the work will shift to tighter control to develop maps of the ash deposits.
- Work was initiated the week of August 3 with a weighted core sampler on a specially-configured TVA pontoon boat to collect deeper sediment samples for visual comparisons and laboratory analyses.
- The sub-bottom profile crew performed a series of ash deposit measurement transects along Dike C on the Emory River side. Profiling will continue along the portion of Dike C adjacent to the KIF intake channel the week of August 10. The data will be used to assist in estimating the quantity of ash that should be removed prior to the initiation of the rip rap placement being planned.

Air Sampling

- All air monitoring results, including fixed-station and real-time monitoring results continue below ambient air quality criteria.
- A recommendation for award of a new air monitoring contract was forwarded to TVA management the week of August 3. It is expected that the contractor will mobilize to the site the week of August 17.
- The real-time TEOM PM2.5 instrument has been installed and is operating at the Lakeshore Drive (PS07) air monitoring location.

FINAL REMEDIATION

- The non-time critical removal action scope and work plan draft was submitted to EPA on August 7th. Work continues on engineering the alternatives and the risk assessment.
- Ash began being stored on the dredge cell test area on August 7th. The base layer is still being constructed as well as access roads into the area to enhance production.

COMMUNICATIONS

Communications

- Posted to TVA's Kingston Webpage: Approved Action Memorandum, Emory River to be Closed from Mile Marker 1.5 to Mile Marker 3.0, Weekly Report Added, and New Photos Added.
- Tour of site and interview with correspondent and crew from *60 Minutes*.
- Placed Administrative Record Public Notice.
- Placed River Closing Public Notice.
- Placed river closing information on public access television.
- Continued to handle daily calls from the news media.

Outreach

- Submitted Draft Community Involvement Plan to EPA.
- Delivered river closing information to residences, marinas and public boat ramps.
- Distributed newsletter to site employees.
- Met with individual residents about property and operations issues.
- Continued to handle calls and visits from residents.
- Responded to Congressional Inquiries and TVAINFO letters about residents.

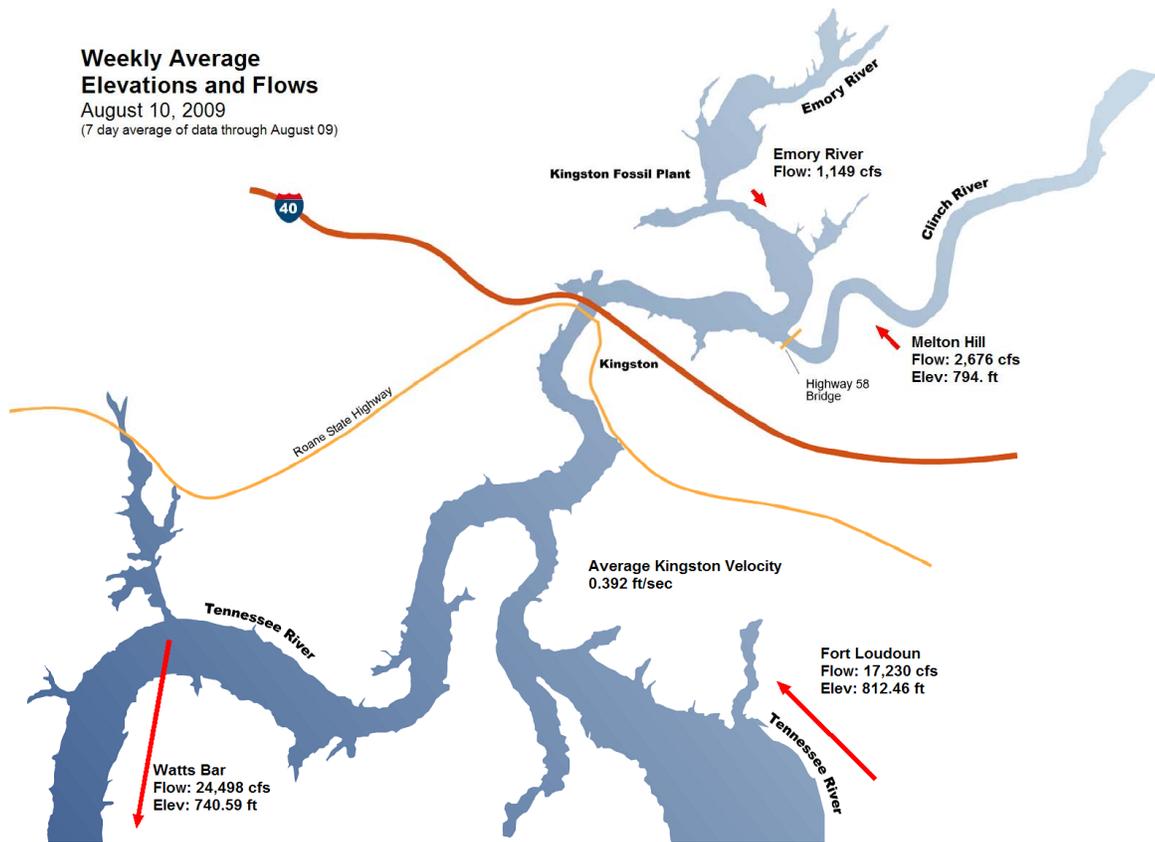
Valley/Government Relations

- Tour of site for Congressman Lincoln Davis and staff.
- Alerted elected officials to river closing.

RIVER OPERATIONS

Weekly Average Elevations and Flows

August 10, 2009
(7 day average of data through August 09)



MEETINGS/CONFERENCE CALLS

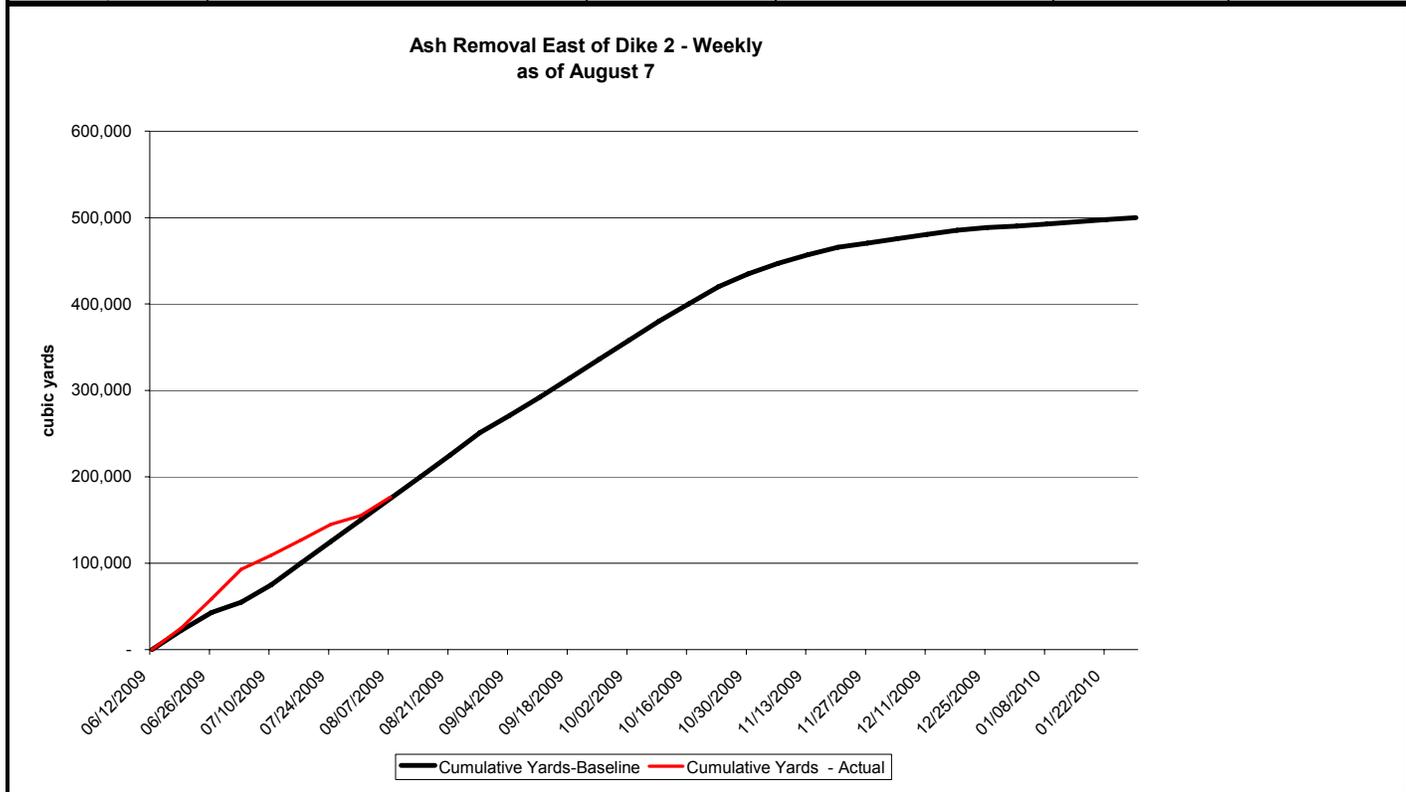
Date	Time	Subject
08/10	0730	Environmental Meeting (ICP Conference Room)
08/10	0800	Time Critical Meeting (ICP Conference Room)
08/10	0900	Environmental Meeting (Team room)
08/10	1000	Aquatic Resources Study (Team Room)
08/10	1200	EPA Meeting (Team Room)
08/10	1300	Dredge Team Meeting (Team Room)
08/11	1000	Project Managers Weekly Meeting (Team Room)
08/11	1300	Auditing Process Review Results Presentation (ICP Conference Room)
08/12	0800	Data Management Meeting (ICP Conference Room)
08/12	0900	KIF Recovery Staff Meeting (ICP Conference Room)
08/12	1100	Congressional Tour Briefing (ICP Conference Room)
08/12	1330	MACTEC/NSRR Coordination Meeting (ICP Conference Room)
08/13	0800	Time Critical Meeting (ICP Conference Room)
08/13	0900	KIF SOP Meeting (Team Room)
08/13	1030	Data Management Meeting (ICP Conference Room)
08/13	1300	Jacobs Senior Staff Meeting (Team Room)
08/14	0900	Infrastructure Weekly Meeting (Team Room)
08/14	1300	Excavator & Skimmer Wall Removal RFP Meeting (ICP Conference Room)
Daily	0730	Site Safety Orientation (Team Room)
Daily	1600	Planning Meeting (ICP Conference Room)

Kingston Recovery Project	Date: August 3- 9, 2009	Field Report
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Cenosphere/Debris Removal		Weekly Total	Cumulative Total
Outreach	Light Debris Removal – Land (bags)	0	18,867
Divisions A, B,C,D Cleanup	Division shoreline cleanup (bags)	830	73,439
Total	Tons of Light Debris	0	959.57
Cenosphere Slurry (gallons)		189,000	6,481,500

Environmental					
Org	Matrix	Weekly Samples Collected	Total # of Samples Collected to date	Sample results	
				received	Verified
TVA	Air - Real-Time (7/31 – 8/6)	4,612	86,216	86,216	86,216
TVA	Air – Analytical (7/31 – 8/6)	8	1,515	1,427	1,039
TVA	Surface/Utility Water	84	2,281	2,198	198
TVA	Ground Water (spring and well)	2	26	29	2
TVA	Ash	10	314	323	50
TVA	Soil/Sediment	0	79	126	9

Ash Dredging & Excavation				Weekly Total	Cumulative Total
River	Estimated Cubic Yards			0	473,146
Ash Pond	Estimated Cubic Yards			0	45,000
Stilling Pond	Estimated Cubic Yards			0	24,350
Ash Excavation (east of Dike 2)	Estimated Cubic Yards **Modified to an in-place volume			20,850	180,300**
Ash Excavation (other)	Estimated Cubic Yards **Modified to an in-place volume			0	73,000**
Ash Disposal	Estimated Tons			63,000	243,400



River Dredging - Weekly
as of July 31

