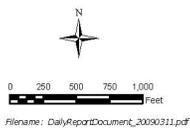


KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

July 20 - 26, 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
OE&R - ER&S
Geographic Information & Engineering

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WEEKLY REPORT

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HIGHLIGHTS

- Moved just under 15,000 cubic yards of ash from east of Dike 2 to disposal or storage areas.
- Suspended dredging activities to begin Rim Ditch Stabilization activities. Removed about 3,000 cubic yards of ash prior to suspension.
- First of two new large river dredges was placed in the water while the second arrived by water.
- Loaded and moved five 85-car trains this week. Landfill unloaded 44,200 tons of ash.

SAFETY

Incidents

- July 20- A Severson second tier subcontract truck driver was fatally injured when flexible dredge piping he was delivering shifted and fell on him when he was removing the tie-down straps. The OSHA field investigation is complete, report is pending. The Jacobs investigation is ongoing.

Site Safety Activities

- 67 site specific HSE orientations conducted for the week, 583 to date.
- 7 Safety Observation Report submitted for the week; 103 to date; 47 of which have been closed.
- Problems continue to be observed with basic Hazwoper site controls, specifically personnel smoking / drinking in the exclusion zones and untrained personnel working alone or without proper escorts.
- Noted several instances of disregard for basic PPE requirements including PFDs for on or near water work, safety glasses and proper high visibility vests.
- Due to the frequency of fuel and hydraulic releases, an improved equipment inspection program will be developed and used on site. When implemented, this will be a requirement for all on water equipment.

INFRASTRUCTURE/ASH MANAGEMENT

Engineering

- CTI (Utilities Engineer) completed the engineering of the utility enhancements. The Utility Boards of Harriman and Kingston are reviewing the design.
- Continuing electrical design for the car wash – working with TVA on electrical requirements.

Utilities

- No construction activities at this time.

Water Management

- Installed the Portadam in the clean ditch in the East Embayment. Continued removing the stockpile of ash from the embayment. Removed the plug to open the clean water ditch. TSS readings during the plug removal were as high as 38 mg/L but settled down to 11 mg/L by the next day.
- Continued work on the dirty water ditches in the north embayment, which includes excavating the ditch and installing rock on the bottom and sides for slope stabilization, since the area contains a lot of sand.
- 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

- 20 acres of Flexterra applied this week.
- 385 acres of Flexterra applied since January 31, 2009.
- Continued operating water trucks on roads and around ash piles as needed for dust control.
- Determined what roads to apply calcium chloride for dust control protection. It appears to be working well along the roads on Dike C where it was tested.
- Worked with TVA personnel on additional short and long term remedies for dust control – seeding, alternatives to Flexterra, and misters. Meetings scheduled next week with vendors to look at alternative products for dust control.

Miscellaneous

- Continued moving ash from east of Dike 2 to storage areas. Moved approximately 14,900 in-place cubic yards this week.
- Continued installation of parking lots for craft and support areas for the HAZWOPER site.
- Continued building the new construction entrance off Swan Pond Road. Began utilizing this entrance for truck deliveries.
- Continued to fine tune the HAZWOPER requirements that are in full force – particularly focusing on the decontamination stations for both equipment and personnel.
- Reworking the middle plant road to remove the sharp curve, making it safer to travel.

ASH DREDGING & PROCESSING

- Negotiated and issued a change order for Severson to install the improved Rim Ditch working platform (designed to safely support excavation equipment).
- Suspended all dredging activities until the Rim Ditch and its working platform are ready to receive dredge slurry.
- Began installation of the Rim Ditch working platform and were ~75% complete by 7/26/09.
- Removed approximately 2,138 CY from the River by hydraulic dredging and approximately 880 CY from the River via mechanical dredging.
- Performed critical lifts required to launch the first of the two new dredges (Ellicott 670) at the South Dock.
- Received the second “new” dredge (called Little Rock) on site and docked it near the South Dock.
- Received various materials and equipment including crane mats, steel sheet piles, dredge pipe, and articulated trucks.
- Continued dipping the Sluice Trench with a crane and clamshell bucket, and hauled this ash to the ballfield.
- The transition from TransAsh to Severson for the process area continues. TransAsh continued to move ash from the processing area to the storage area.

ASH DISPOSITION

- Continuing to load rail cars and ship the ash to the landfill in Alabama.
- Loaded and moved 5 – 85 car unit trains this week. Continuing to work to refine the systems required to efficiently move the ash here in Kingston as well as Alabama.
- Continuing to Load approximately 100 tons of ash per rail car.
- Have loaded, transported, and unloaded to the landfill approximately 44,200 tons of ash this week, for a total of approximately 137,400 tons.
- Both the loading and unloading contractors have each successfully loaded and unloaded an 85 car unit train in approximately 10 hours.
- The repairs to the rail from the derailment were inspected and the work was approved. The four rail cars involved in the derailment were also repaired and added to one of the unit trains and sent to Alabama.

CENOSPHERE RECOVERY

- Outreach calls from local residents are minimal. The focus remains on addressing EPA identified sites in nonresidential areas.
- An additional SWS safety boat has been added to address concerns with working on the water in areas with limited shoreline access. The safety boat will be able to provide immediate response to an incident as well as being able to transport an individual to the designated extraction point.
- The TVA tug and barge mounted excavator removed the first round of docks. Additional docks will require removal once settlements are finalized with the home owners.

SKIMMER WALL

- Continue to work with Worley Parson to develop a plan for addressing questions on Skimmer Wall construction.
- Monitored turbidity data for the week with no significant spikes of turbidity in the intake channel or in the discharge.

DIKE REINFORCEMENT

- The Stantec Dike Stability report was issued and is being reviewed. Initial Stantec conclusions indicate the Factor of Safety (FS) of Dike C is lower than the previously reported 1.45.
- Issued the Dike D and Dike 2 stability report for internal review.
- Continued to monitor the eleven seeps along Dike C. The seeps are being formally monitored once per week. The inspection on July 23rd shows a slight increase in flow on Seep 6. There is no color change and there is no piping. The other seeps remain stable.

ROUTINE MONITORING

Surface Water Sampling

- Routine surface water fixed station monitoring occurred on Monday, Wednesday, and Friday, July 20th, 22nd, and 24th. Samples for nutrient analyses continued with the weekly sampling event performed on Wednesday. Through June 30th, there have been no ash-related constituents detected above any criteria (i.e., ambient water quality, domestic water supply). 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. Results continue to show low (~10 mg/L) TSS values.

Sediment Sampling

- Exploratory work began on June 22nd to survey ash deposits in the Emory, Clinch, and Tennessee Rivers. Field crews are using the new TVA bottom profile instrument coupled with visual observations to fine-tune the data acquisition process. A subsequent definitive survey plan is in preparation and will be implemented once the additional sampling equipment is received (due in the week of July 27th). The equipment includes a weighted core sampler that can be used to collect samples for visual comparisons to the bottom profile instrument measurements.

Air Sampling

- All air monitoring results, including fixed-station and real-time monitoring results continue below ambient air quality criteria.
- Four proposals were on July 8th for the re-bid of the air monitoring contract and are under evaluation.
- Installation of the real-time TEOM PM2.5 instrument was initiated at the Lakeshore Drive (PS07) air monitoring location. This is in response to EPA and TDEC recommendations from the audit of the air monitoring program performed the week of June 29, 2009.

FINAL REMEDIATION

- The non-time critical work plan was submitted to TVA for review. Work is beginning on the engineering and the risk assessments for the EE/CA.
- Re-contouring of part of the area for the dredge cell test was completed on Saturday and approval received to begin constructing the base layer with rock and fabric.

COMMUNICATIONS

Communications

- Posted to TVA's Kingston Webpage: Report to the TVA Board of Directors Regarding Kingston Factual Findings, AECOM Response to Barry Thacker Evaluation of Root Cause Analysis, Air Sampling Results Updated, and Contract Employee Dies in Accident at Kingston Recovery Site.
- Issued statement to media about accident and answered media requests.
- Continued to handle daily calls from the news media.
- Helped prepare Tom Kilgore for SEPW committee appearance.

Outreach

- With EPA, attended meeting of new Community Advisory Group.
- 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.

Other

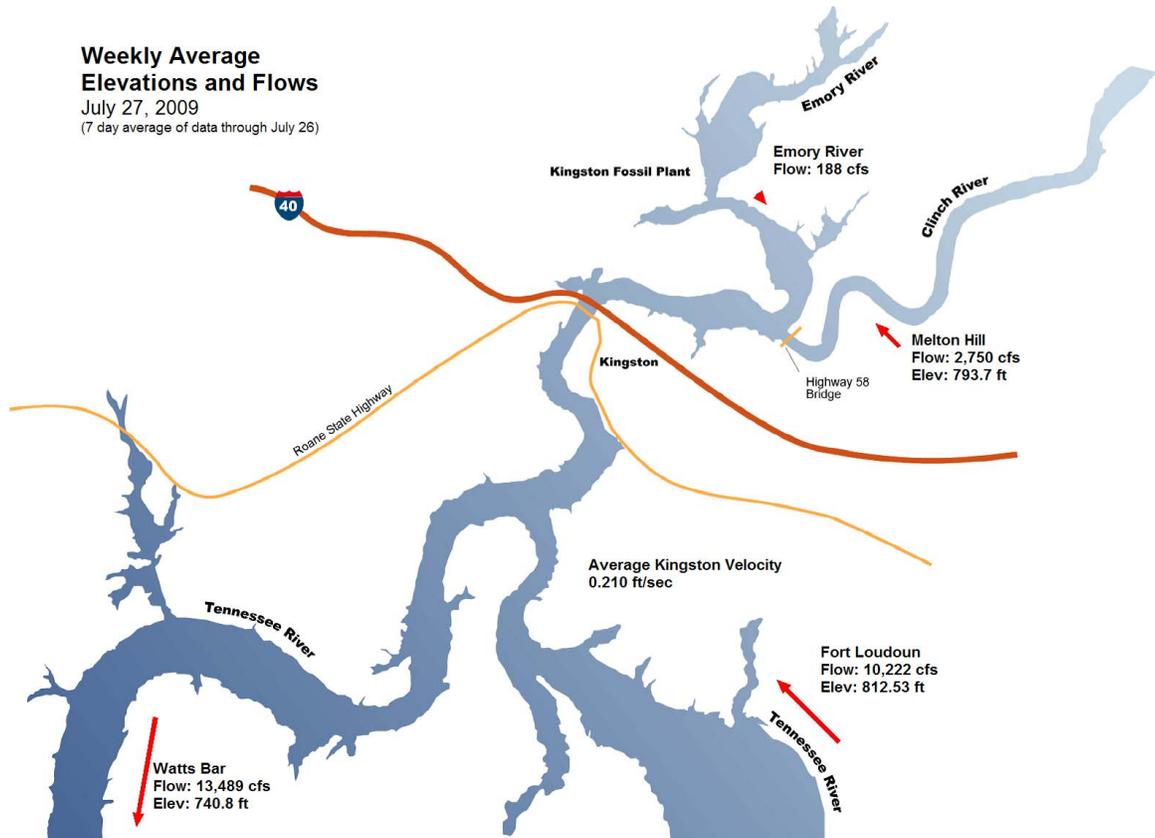
- Held all-hands meeting to commemorate Larry LaCroix.

- Arranged for counselors from Ridgeview Psychiatric Clinic to be available on-site to workers.
- Arranged for donation boxes for workers to donate money to the Larry LaCroix Memorial fund and sent check for \$3,677 to Iowa on Thursday. Money is still being collected.

RIVER OPERATIONS

Weekly Average Elevations and Flows

July 27, 2009
(7 day average of data through July 26)

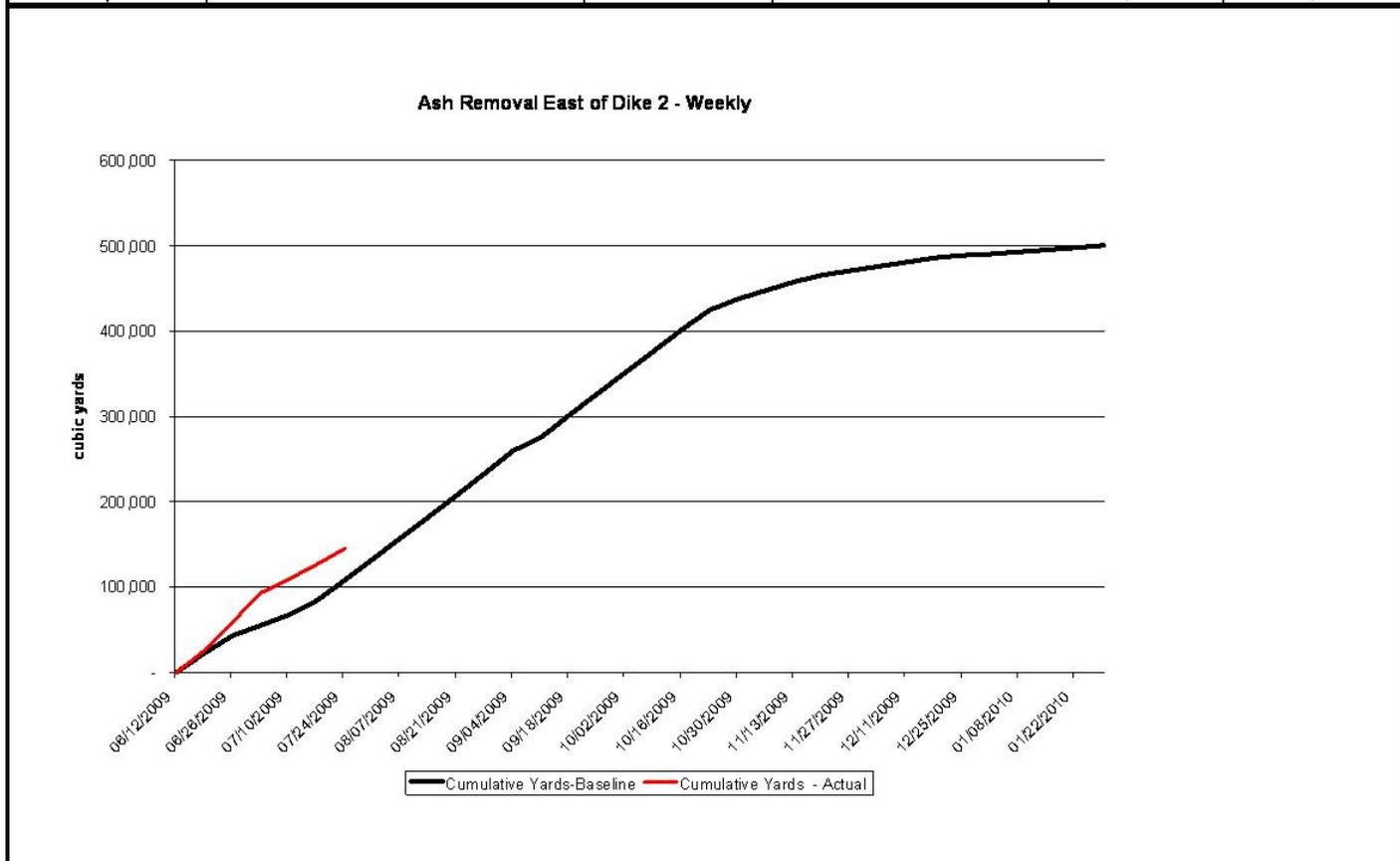


MEETINGS/CONFERENCE CALLS		
Date	Time	Subject
07/27	0730	Environmental Meeting (ICP Conference Room)
07/27	0800	Time Critical Meeting (ICP Conference Room)
07/27	0900	Amphibious Excavator Meeting (Team Room)
07/27	1000	Aquatic Resources Study (Team room)
07/27	1300	Dredge Team Meeting (Team Room)
07/28	0800	Jacobs OPR (ICP Conference Room)
07/28	1000	Project Managers Weekly Meeting (Team Room)
07/28	1000	Dust Suppression Contractors Meeting (ICP Conference Room)
07/28	1100	Jacobs Monthly Staff Meeting (ICP Conference Room)
07/28	1330	Dike C Safety Meeting (ICP Conference Room)
07/28	1400	Dust Suppression Contractors Meeting (Team Room)
07/28	1400	Dike Stability Meeting (Team Room)
07/29	0800	Time Critical Meeting (ICP Conference Room)
07/29	0900	KIF Recovery Staff Meeting (ICP Conference Room)
07/30	0730	Environmental Meeting (ICP Conference Room)
07/30	0900	Dredge Cell Test Team Meeting (ICP Conference Room)
07/30	1030	Data Management (Team Room)
07/30	1130	HSE Staff Meeting (ICP Conference Room)
07/30	1230	Service Level Agreement (Team Room)
07/30	1400	Ash Disposal Ops Weekly Meeting (ICP Conference Room)
07/30	1600	NRDA & EE/CA Process (Team Room)
07/31	0800	Time Critical Meeting (ICP Conference Room)
07/31	0900	Infrastructure Weekly Meeting (Team Room)
07/31	1100	Economic Development (Team Room)
Daily	0700	Sampling & Resources Meeting (ICP Conference Room)
Daily	0730	Site Safety Orientation (Team Room)
Daily	1600	Planning Meeting (ICP Conference Room)
Daily	1700	Cenosphere Recovery Meeting (Team Room)

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)	1,204	72,609
Total	Tons of Light Debris	0	959.57
Cenosphere Slurry (gallons)		54,000	6,292,500

Environmental					
Org	Matrix	Weekly Samples Collected	Total # of Samples Collected to date	Sample results	
				received	Verified
TVA	Air - Real-Time (7/17-23)	2,966	77,653	77,653	77,653
TVA	Air – Analytical (7/17-23)	8	1,495	1,411	1,039
TVA	Surface/Utility Water	69	2,129	1,920	198
TVA	Ground Water (spring and well)	2	26	29	2
TVA	Ash	50	274	255	50
TVA	Soil/Sediment	0	79	126	9

Ash Dredging & Excavation				Weekly Total	Cumulative Total
River	Estimated Cubic Yards			3,018	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			14,900	146,500**
Ash Excavation (other)	Estimated Cubic Yards **Modified to an in-place volume			0	73,000**
Ash Disposal	Estimated Tons			44,200	137,400



River Dredging - Weekly

