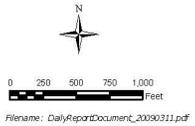


KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

June 22 - 28, 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

Prepared by:
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Issue (Date/Time)
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KINGSTON ASH RECOVERY PROJECT

WEEKLY REPORT

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HIGHLIGHTS

- Moved just under 32,000 cubic yards of ash east of Dike 2 to the ash processing area.
- Dredged 58,700 cubic yards of ash from the river. For six days of operation, generation just over 15,000 cubic yards of ash a day from both operations.
- Held a scoping workshop with regulatory agencies to define the path forward for making non-time critical removal actions decisions.
- Work zones are being delineated and support services being put in place to allow the site to be operated as a Hazwoper site next week.
- Held a public meeting on June 23rd to listen to public concerns.

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.
- Revised sketch for new construction entrance off Swan Pond Road.
- Worked on sketch for ramp along the northern end of Dike C to be utilized for ash removal east of Dike 2.
- Submitted work plans for:
 - Swan Pond Road Construction Entrance – Approved.
 - Total Ash Movement East of Dike 2.

Utilities

- No construction activities at this time.

Water Management

- Continued moving ash from east of Dike 2 to the ash storage area. Moved approximately 31,800 cubic yards this week.
- Continued construction of the clean water ditch east of Dike 2 to the river. Prepared to remove the plug at the river next week which would open the clean water ditch from the west embayment to the river.
- Worked in the East Embayment – constructing the clean water ditch and a haul road on the west side in preparation of ash removal.
- Continued construction of the clean water channel – from south of Swan Pond Circle to Dike 2. Issues with sloughing at the base of the channel, completed installation of the geotextile fabric and rock to elevation 741. Also sprayed Flexterra and seeding along the bank.
- Completed contouring the ash south of Swan Pond Circle and placed Flexterra and seeding along the bank.
- 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.
- CPG working extended hours to expedite completion of the storm water drainage system.

Dust/Erosion Control

- 19 acres of Flexterra applied this week.
- 356 acres of Flexterra applied since January 31, 2009.
- Continuing operating water trucks on roads and around ash piles as needed for dust control.
- Determining which road to install calcium chloride as a test to determine possible long term use.
- Installed snow fence and signs to delineate work zones for implementation of the HAZWOPER site.
- Working with TVA personnel on additional short and long term remedies for dust control – seeding, alternatives to Flexterra, and misters.
- Resubmitted work plan to EPA for Fugitive Dust Control and Suppression, including Air Monitoring Plan.

ASH DREDGING & PROCESSING

Dredging

- Continued review of the dredging and processing proposals. Contractor onsite June 22nd to discuss the project with TVA.
- Removed approximately 58,692 cubic yards of ash from the river with all four hydraulic dredges operating for most of the week.
- Added an additional material barge to the mechanical dredging operation.
- Installed turbidity curtain in Dredge Section 1 surrounding the mechanical dredging area.
- Relocated Emory dredge and the northern discharge pipe to allow access to the area east of Dike 2.
- Continued to remove material from the north side of Weir 1.
- Restarted dredging in the Stilling Pond on Friday.

ASH DISPOSITION

- MacTec continued mobilization of their personnel and equipment this week in preparation of loading ash for disposal.
- Installed a tarp on one of the rail cars and had Norfolk Southern inspect and comment on installation requirements for transportation.
- Track #1 was inspected and approved by Norfolk Southern and train cars were brought onto the rail. Additional rail cars were brought on site by Norfolk Southern.
- MacTec placed jersey barriers along Track Nos. 1 and 2 and began windrowing the ash in preparation of loading.
- TransAsh continues to process the ash from the rim ditch and distribute in the processing area.
- Submitted work plan to Load Ash for Disposal – Approved.
- No ash has been loaded – Alabama approved the plan and now awaiting final approval from EPA.

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.
- Received one new TVA purchased barge set and began setting it up for operation.
- Worked on setting up a TVA owned an operated barge mounted excavator.

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. Although the areas remain moist to wet, the overall sizes have not increased and there does not appear to be an increase in flow. Monitoring of the seeps will continue.
- Stantec reviewed a work plan for the installation of a ramp along the northern section of Dike C. The ramp will be used to haul ash out of the river from the area east of Dike 2.

ROUTINE MONITORING

Surface Water Sampling

- Routine surface water fixed station monitoring occurred on Monday, Wednesday, and Friday, June 22nd, 24th, and 26th. Samples for nutrient analyses continued with the weekly sampling event performed on Wednesday.
- Ash Recovery System sampling continued on Tuesday, June 23rd, and Thursday, June 25th.

- Swan Pond Embayment surface water sampling continues daily at two locations along the Swan Pond embayment drainage ditches.

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.
- A pre-proposal conference was held on Friday, June 26th, for prospective bidders for the air monitoring contract. Proposals are due on July 8th.

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.

Data Management

- TVA data management staff met with EPA staff that performed a review of TVA's processes. EPA made several improvement suggestions and are reviewing TVA's draft Data Management Plan.
- Electronic data packages continue to be received from the metals re-analysis of surface water samples collected in January and February 2009. This data set is nearly complete for verification.

FINAL REMEDIATION

- A scoping workshop was held on June 22 and 23 with the involved regulatory agencies. The current data set, approach to human health risk assessment, approach to ecological risk assessment, and a range of potential alternatives for the embayment and the dredge cell were discussed.
- The next set of documents includes a work plan for non-time critical actions, an engineering evaluation/cost analysis for the embayment/dredge cell, and a sampling and analysis plan for the river.

SAFETY

- 13 site specific HSE orientations conducted for the week, 376 to date.
- 5 Safety Observation Reports submitted for the week; 65 to date; 47 of which have been closed.
- Week 5 of Hazwoper training complete, 128 personnel trained to date:
 - 92 personnel trained for 40 hour,
 - 4 trained in 24 hour, and
 - 32 trained in supervisor.
- Weeks 6, 7 and 8 of Hazwoper will include two classes each week, expect another 150 personnel trained.
- Hazwoper site control measures continue to be installed. Awareness push will occur this week so personnel come back from the holiday weekend prepared to implement the Hazwoper site control requirements.
- June 23: Non-injury motor vehicle incident. TVA water trucked backed into a Gibbons Farms vehicle. Minor damage occurred to the Gibbons Farm vehicle.
- June 26: Instrumentation conduit in the ball-field was struck by a MacTec crew. The data collection instruments indicate damage occurred approximately mid day on Friday. Incident became apparent Saturday late afternoon when it was apparently struck again and pulled from the ground. Investigation is currently ongoing for this incident.

COMMUNICATIONS

Communications

- Held public meeting with EPA and TDEC on June 23rd and worked with Outreach to follow up with residents who voiced their concerns.
- Announced Root Cause Analysis, including briefing of SEPW, local officials, and media.
- Posted to TVA's Kingston Webpage: Air Quality during Summer Months, Evaluation of Fish from the Kingston Ash Pond/Stilling Pond, Railroad Crossing Information, Root Cause Analysis, updated Air Sampling Results, and updated Water Sampling Results.
- Continued to handle daily calls from the news media.

Outreach

- Developed communications plan for railroad crossing safety at new Swan Pond Road rail spur and

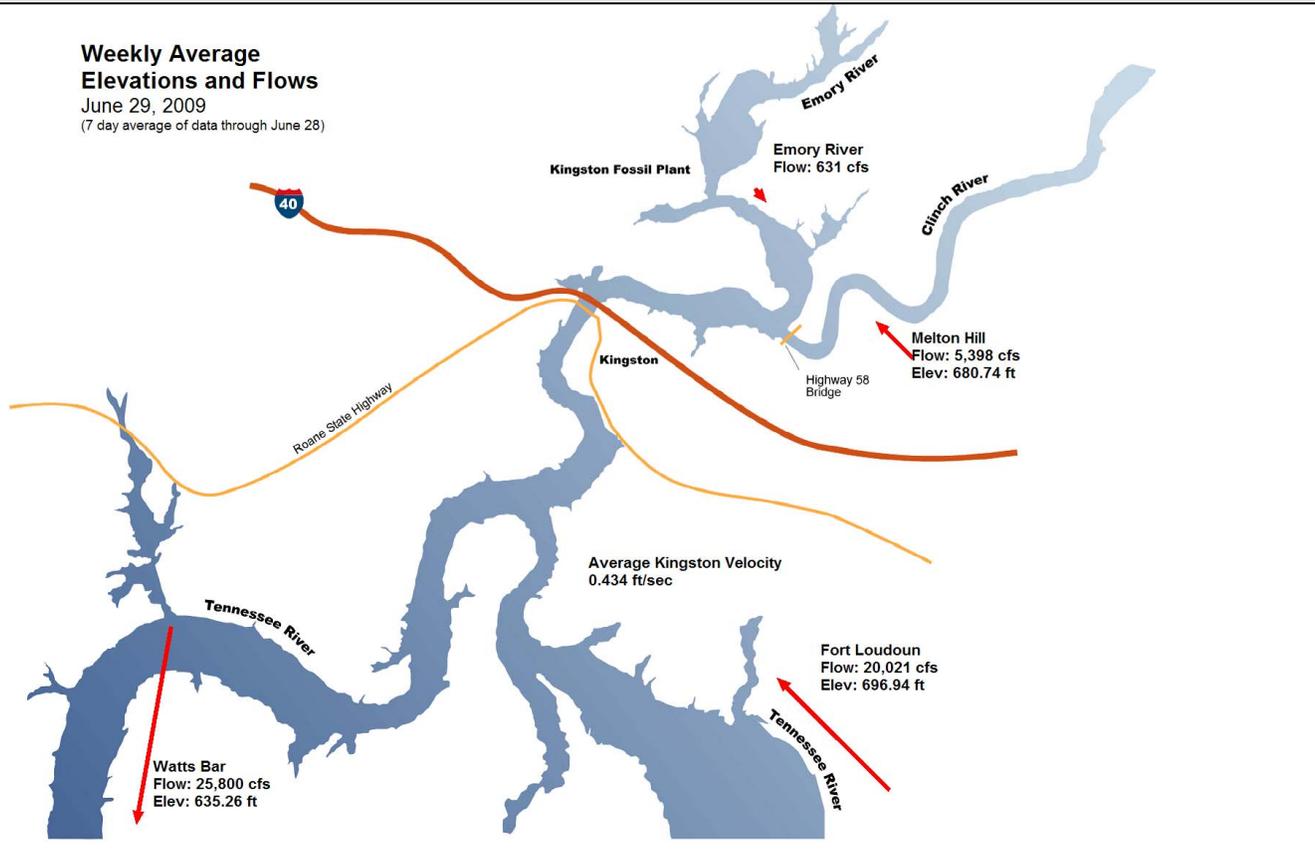
ordered and installed road signs. With Communications, wrote and issued press release, wrote text for and ordered door hangers, and discussed purchase of electronic signs with sensors.

- 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

- Provided Root Cause Analysis briefing to local officeholders.
- Provided site tour to OMB representative.

RIVER OPERATIONS



MEETINGS/CONFERENCE CALLS

Date	Time	Subject
06/29	0800	Time Critical Meeting (ICP Conference Room)
06/30	1000	Project Managers Weekly Meeting (Team Room)
06/30	1400	Dike Stability Meeting (Team Room)
07/01	0800	Time Critical Meeting (ICP Conference Room)
07/01	0900	KIF Recovery Staff Meeting (ICP Conference Room)
07/02	0900	Dredge Cell Test Team Meeting (ICP Conference Room)
07/02	1130	HSE Staff Meeting (ICP Conference Room)
07/02	1200	Ambient Air Monitoring Audit (Team Room)
07/02	1400	Ash Disposal Ops Weekly Meeting (ICP Conference Room)

Kingston Recovery Project		Date: June 22 - 28, 2009		Field Report	
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)		1,627	67,714	
Total	Tons of Light Debris		0	959.57	
Cenosphere Slurry (gallons)			84,000	6,085,500	
Environmental					
Org	Matrix	Weekly Samples Collected	Total # of Samples Collected to date	Sample results	
				received	Verified
TVA	Air (Real-Time)*	3,840	60,478	60,478	60,478
TVA	Air (Analytical)*	5	1455	1,351	1,039
TVA	Surface/Utility Water	95	1812	1,696	198
TVA	Ground Water (spring and well)	0	24	29	2
TVA	Ash	54	147	95	50
TVA	Soil/Sediment	0	79	126	9
Ash Dredging/ Excavation			Weekly Total	Cumulative Total	
River - Dredging	Estimated Cubic Yards			58,692	327,692
Ash Pond - Dredging	Estimated Cubic Yards			0	45,000
Stilling Pond - Dredging	Estimated Cubic Yards			2,950	14,550
Ash Excavation (east of Dike 2)	Estimated Cubic Yards			31,800	62,925
Ash Excavation (other)	Estimated Cubic Yards			0	77,000
Comments: * June 19 - 25, 2009					