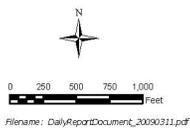


KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

June 15 - 21, 2009



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

Date of map imagery: Feb. 25, 2009

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

Prepared by:
Mary McDermott

Issue (Date/Time)
06/22/2009 1:28:11 PM

KINGSTON ASH RECOVERY PROJECT

WEEKLY REPORT

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HIGHLIGHTS

- Significant progress has been made in constructing the clean water ditch.
- Moved 30,000 cubic yards of ash from east of Dike 2 to the ash processing area.
- Removed approximately 39,000 cubic yards of ash from the river. Between both ash removal activities, just under 10,000 cubic yards of ash a day has been removed.

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.
- Prepared sketch and work plan for new construction entrance off Swan Pond Road.
- Issues with Phase 1B Trunk Channel sloughing at base caused by sand layer – decision to rock the bottom of the channel up to elevation 741.
- Proposed and received approval to install a Portadam in lieu of curtain along the East Embayment.
- Revising the Time Critical Ash Removal East of Dike 2 work plan to include provisions for a temporary storage area west of Dike 2.
- Submitted work plans for:
 - Modification to Clean Water Ditch in East Embayment – Approved.
 - Swan Pond Road Construction Entrance – Approved.

Utilities

- No construction activities at this time.

Water Management

- Continued moving ash from east of Dike 2 to the ash storage area. Moved approximately 30,000 cubic yards this week.
- Continued construction of the clean water ditch east of Dike 2 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, installing geotextile fabric and rock to elevation 741.
- Continued contouring the ash south of Swan Pond Circle along the rock – installing check dams in preparation of Flexterra and seeding.
- 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

- 2 acres of Flexterra applied this week.
- 337 acres of Flexterra applied since January 31, 2009.
- Continuing operating water trucks on roads and around ash piles as needed for dust control.
- Representative on site this week reviewing possible use of calcium chloride on roads. Determining which road to perform 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.
- Incorporated EPA comments for the Fugitive Dust Control and suppression, including Air Monitoring Plan for the Fugitive Dust Control and Suppression, for submittal to EPA.

ASH DREDGING & PROCESSING

Environmental Data Collection

- Continued daily TSS monitoring at KIF NPDES 001. The mean through June 18th was 14.87 mg/L.
- Dredge plume monitoring continued Monday through Saturday, June 15th – 20th.

Dredging

- Reviewed dredging and processing proposals and graded based on established criteria. A “frontrunner” has been identified and will be on site June 22nd, to discuss the project with TVA.
- Removed approximately 39,000 cubic yards of ash from the river with all four hydraulic dredges operating for most of the week.
- Continued mechanical dredging operation in support of the clean drainage ditch along the west edge of the Emory River. Began relocating equipment and Emory’s pipeline to make the operation more efficient.
- Received the turbidity curtain for the dredge operation and installed it in the Emory River.

ASH DISPOSITION

- MacTec mobilized their personnel and equipment this week in preparation of loading ash for disposal.
- Received 14 mil burrito bags to line the rail cars – trained the crew on installing the liners.
- Placed asphalt across Swan Pond Road to complete the installation of the new rail spur tie-in to the existing track.
- Installation of Track #1 is complete and awaiting Norfolk Southern inspection.
- Norfolk Southern moved 22 rail cars on Track #2 this week. They also brought additional cars to the site.
- TransAsh continues to process the ash from the rim ditch and spread in the processing area.
- Submitted work plan to Load Ash for Disposal.
- No ash has been loaded, still awaiting approval to dispose of the ash in the landfill in Alabama.

CENOSPHERE RECOVERY

- Utilized a long reach excavator to remove cenospheres from the sluice channel. The process appears to be successful.
- Continued to work down stream in the areas of Tennessee River Marker TRM-548 as well as areas in the Clinch and Emory.
- EPA, with the assistance of the Coast Guard, is patrolling the rivers for cenospheres. Locations provided by EPA as having some amounts of cenospheres are being incorporated into the existing outreach procedure.

SKIMMER WALL

- Monitored turbidity data for the week with no significant spikes of turbidity in the intake channel or the discharge.
- TVA is planning on having a new geophysical data recorder on site in about two weeks. The device will be used to map the intake change.
- The current configuration of booms and turbidity curtains in the intake channel appear to be working. Monitoring of turbidity in these areas will continue. Booms and curtains will be adjusted as needed.

DIKE REINFORCEMENT

- Continued working on final report for Dike C stability.
- Continued working on report for Dike D and Dike 2 stability.
- 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.

ROUTINE MONITORING

Surface Water Sampling

- Routine surface water fixed station monitoring occurred on Monday, Wednesday, and Friday, June 15th, 17th, and 19th. Samples for nutrient analyses continued with the weekly sampling event performed on Wednesday.
- Surface water monitoring crews continued collecting temperature measurements at various depths to

detect areas of thermal stratification. The objective of this is to evaluate whether the sampling depths at surface water locations should be adjusted due to thermal stratification. Thermal stratification was detected at ERM 1.75 last week and samples were collected at multiple depths at these locations.

- The second week of sampling at the Ash Recovery System continued on Tuesday, June 16th, and Thursday, June 18th. The Ash Recovery System sampling is being extended for a third week and will continue June 23rd and June 25th.
- Swan Pond Embayment surface water sampling started Thursday, June 11th, and continues daily at two locations along the Swan Pond drainage ditches. The objective of the sampling is to evaluate the surface water draining from the embayment into the river.

Air Sampling

- All air monitoring results, including fixed-station and real-time monitoring continues to have results below ambient air quality criteria. The few occasional exceedances of particulate measurements with the real-time instruments have all been at locations where smoke and the odor of wood fires have been noted.

Data Management

- 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.
- Data validation continues for electronic data packages received from the laboratories. As verified packages are received, they are being posted to the password protected website for regulator review.
- The draft Data Management Plan is undergoing internal TVA review. Comments will be incorporated into the plan and a final draft issued for regulator review the week of June 15th.

Other Projects

- A report of the results for the Eckman dredge/visual observation survey was issued on June 4th.
- Students from Appalachian State University accompanied the surface water sample crews Tuesday, June 16th through Friday, June 19th and collected surface water and sediment samples for analysis. TVA collected split samples of the Appalachian State University samples.

FINAL REMEDIATION

- Final preparations for the upcoming scoping/data quality objectives workshop for the non-time critical actions were made.

SAFETY

- 30 site specific HSE orientations conducted for the week, 363 to date.
- 4 Safety Observation Reports submitted for the week; 60 to date; 37 of which have been closed.
- Week 4 of Hazwoper training complete, 86 personnel trained to date.
- Initial Hazwoper site control measures being installed. Signs have been ordered and a requisition submitted for installation.
- June 18: First aid incident related to heat stress with Queen City Railroad laborer. Individual felt dizzy and passed out. Alert coworker prevented injury by helping the victim to the ground. EMS was summoned and checked vital signs and blood sugar, nothing unusual reported. Individual refused further treatment, but was not allowed to work for the remainder of the day.

COMMUNICATIONS

Communications

- Planned public meeting with EPA and TDEC on June 23.
- Launched new design for Kingston Webpage.
- Posted to TVA's Kingston Webpage: acute vs. chronic selenium exposure, air sampling results updated.
- Continue to handle daily calls from the news media.

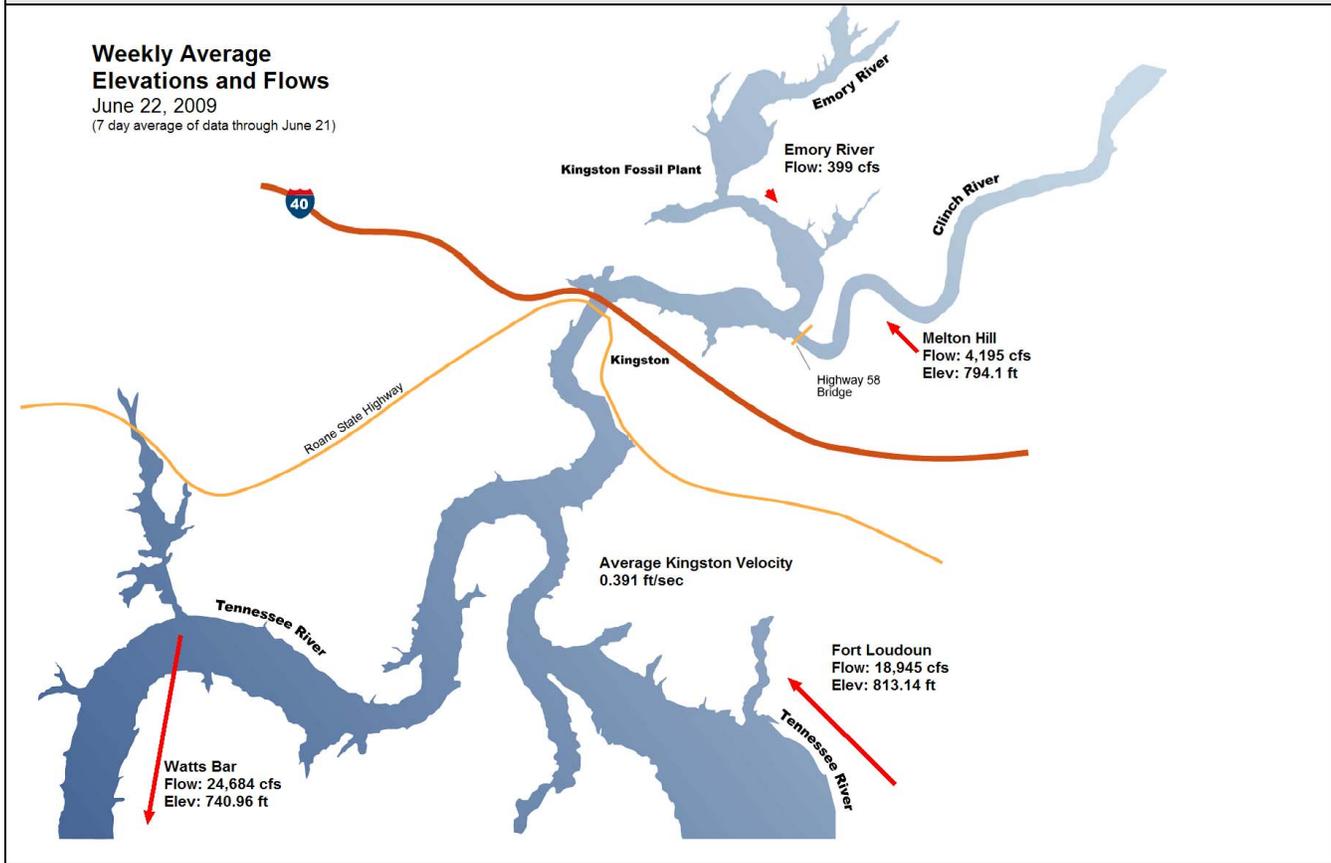
Outreach

- Completed communications for closure of Swan Pond Road.
- Continued appraisals and offers on properties TVA is willing to purchase.
- Continued to handle calls and visits from residents.
- Responded to numerous Congressional Inquiries and TVAINFO letters about residents.
- Hosted tour of GAO.

Valley/Government Relations

- Assisted government relations with GAO tour.
- Along with Procurement, met with the Alliance Haulers Board of Directors to discuss various issues.
- Met with Long Term Recovery Committee executive committee to discuss 15% request.

RIVER OPERATIONS



MEETINGS/CONFERENCE CALLS

Date	Time	Subject
06/22	0800	Time Critical Meeting (ICP Conference Room)
06/22	1300	Regulator Workshop (ICP Conference Room)
06/22	1300	Review Hazwoper Requirements (Team Room)
06/23	0800	Regulator Workshop (ICP Conference Room)
06/23	1000	Project Managers Meeting (Team Room)
06/23	1300	Weekly Dredging Program Meeting (Team Room)
06/23	1400	Dike Stability Meeting (Team Room)
06/24	0800	Time Critical Meeting (ICP Conference Room)
06/24	0900	KIF Recovery Staff Meeting (ICP Conference Room)
06/24	1000	Data Management Meeting (Team Room)
06/24	1100	TDEC Meeting (ICP Conference Room)
06/25	0900	Dredge Cell Test Team Meeting (ICP Conference Room)
06/25	1400	Rail Spur Meeting (ICP Conference Room)
06/26	0800	Time Critical Meeting (ICP Conference Room)
06/26	0900	Infrastructure Team Meeting (Team Room)
06/26	0900	Air Monitoring RFP Pre- Proposal (ICP Conference Room)

Kingston Recovery Project		Date: June 15 - 21, 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)		2,008	66,087	
Total	Tons of Light Debris		0	959.57	
Cenosphere Slurry (gallons)			162,000	6,001,500	
Environmental					
Org	Matrix	Weekly Samples Collected	Total # of Samples Collected to date	Sample results	
				received	Verified
TVA	Air (Real-Time)*	4,361	56,638	56,638	56,638
TVA	Air (Analytical)*	19	1454	1,336	1,039
TVA	Surface/Utility Water	95	1717	1,538	198
TVA	Ground Water (spring and well)	0	24	14	2
TVA	Ash	0	93	92	50
TVA	Soil/Sediment	0	79	126	9
Ash Dredging/ Excavation				Weekly Total	Cumulative Total
River - Dredging	Estimated Cubic Yards			39,000	269,000
Ash Pond - Dredging	Estimated Cubic Yards			0	45,000
Stilling Pond - Dredging	Estimated Cubic Yards			0	11,600
Ash Excavation (east of Dike 2)	Estimated Cubic Yards			30,075	41,125
Ash Excavation (other)	Estimated Cubic Yards			0	77,000
Comments: * June 12 – 18, 2009					