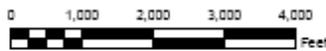


KINGSTON ASH RECOVERY PROJECT WEEKLY REPORT

December 27, 2010 thru January 2, 2011

Aerial Image of Kingston Ash Slide (11/22/2010)



Date of imagery: 11/22/2010
Surrounding area: 07/23/2010

Tennessee Valley Authority
Geographic Information & Engineering

M:\nrcs\img\img_201012_2011.pdf

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KINGSTON ASH RECOVERY PROJECT

WEEKLY REPORT

December 27, 2010 thru January 2, 2011

HIGHLIGHTS

- Ash stacking activities in the Dredge Cell were conducted. Approximately 16,000 cubic yards were stacked which is the baseline requirement.

SAFETY

- No site specific HSE orientations were conducted for the week – 1,749 to date. One hundred ninety-seven (197) HSE site orientation refresher courses have been conducted to date.
- No Safety Observation Reports were submitted for the week – 1,592 to date; 1,581 have been closed.
- December 22, 2010 – A recordable incident occurred when a laborer became stuck ankle deep in wet ash while walking to his assigned work location in the North Embayment. He was freed by co-workers and reported to his work location. A short while later he experienced lower back pain and was sent to the onsite medic for evaluation. The laborer is currently on restricted duty. The investigation is ongoing.

INFRASTRUCTURE/ASH MANAGEMENT

- Efforts for site maintenance, dust control, and HAZWOPER control continued.
- Continued recovering cenospheres from the onsite ponds.
- Mayse Construction completed installing the utility lines across Swan Pond Circle Bridge. Connections, testing and turnover is planned to be completed by January 6.

STILLING POND DREDGING

- No major activities.

ASH DISPOSITION

- Phillips & Jordan continued clean-up and demobilization activities at the landfill site.
- Awaiting comments regarding the draft On Scene Coordinator (OSC) Report. Making revisions based on comments received from the TVA team.

SKIMMER WALL

- Aquarius Marine, LLC continued decontamination of barges of ash in barge inner shell from mechanical dredging operations. They plan to complete decon activities by January 10.
- The U.S. Coast Guard is reviewing the Skimmer Wall light permit application and sent several clarification requests to finalize the review, for which responses were provided.

DIKE REINFORCEMENT

- Approximately 95 feet of buttress was completed this week. Jacobs continued to monitor the dikes at Kingston on a daily basis.

ROUTINE MONITORING

Surface Water Sampling

- Automated samplers have been deployed at 2 locations in the Clinch River, 3 locations in the Emory River, and in the Swan Pond Embayment Clean Water Ditch in accordance with the NTCRA Surface Water Monitoring Plan. The samplers on the Emory and Clinch Rivers will be activated whenever local rainfall exceeds 1" in a 24-hour period and/or flow on the Emory River at Oakdale exceeds 10,000 cubic feet per second (cfs). The automated sampler in Swan Pond Embayment is activated whenever local rainfall exceeds 0.5" in a 24-hour period.
- On Friday, December 31, and Saturday, January 1, local rainfall exceeded 1.0". The automated samplers were activated early Saturday morning and a field crew mobilized to collect samples in Swan Pond Embayment.
- Swan Pond Embayment surface water sampling continues routinely once per week at 2 locations along the Swan

Pond Embayment drainage. A weekly Stilling Pond sample is also being collected.

Air Sampling

- All air monitoring results from TVA air samplers were below the current Ambient Air Monitoring Plan (AAMP) action levels.
- TVA operates five PM2.5 Beta Attenuation Monitors (BAMs) and one PM10 Tapered Element Oscillating Microbalance (TEOM) 24/7 at fixed stations encircling the KRP. These monitors output hourly gravimetric PM concentrations. BAM gravimetric PM concentrations are posted to the KRP regulator's webpage. TVA also collects filters for PM2.5 gravimetric lab analysis from one BGI sampler, filters for metals analyses from two HiVolume PM10 samplers and two Total Suspended Particulate (TSP) samplers, and filters for silica analysis from two low volume SKC samplers. All the filter samplers are 24-hour samples, located at PS07 (peninsula next to east embayment), and follow the 1/3 day EPA air quality schedule.

Data Management

- Electronic data deliverables are flowing into the Equis database.
- Data validation continues for electronic data packages received from the laboratories.

Biota Sampling

- None to report.

River System EE/CA Sampling and Analysis

- Ash deposition and submerged sediment sampling was initiated on October 18. Sampling for ash deposits and submerged sediments has been completed in the two Tennessee River reaches.
- Ash deposit and submerged sediment sampling continues in Clinch River Reach B (CRM 4.5 to 3.0) per the River System Sampling and Analysis Plan.
- Ash deposit and submerged sediment sampling will continue through the month of January.
- Seasonally exposed sediment sampling continues for Clinch River Reach B (CRM 4.5 to 3.0) per the River System Sampling and Analysis Plan.
- A meeting to discuss field testing of pore water sampling techniques was held and field tests will be conducted the week of January 3.

Non-Routine Sampling

- None to report.

DREDGE CELL

- Continued to stack ash in areas where subgrade conditions were adequate. Wet conditions prevail across the site, raising the moisture content in the surface layer and raising water table levels.

LATERAL EXPANSION AND ASH POND

- Continued stockpiling ash within the Lateral Expansion from the North Embayment and Sediment Pond expansion excavations. This material is being stockpiled to allow drying and will be removed and dry-stacked at a later date.

PLANT ASH DISPOSITION

- No Plant ash recovery or processing was performed.

EMBAYMENT ASH PROCESS

- TVA Civil Projects excavated and hauled ash from the North and Middle Embayments to the Dredge Cell and Lateral Expansion areas for stacking and drying.

COMMUNICATIONS

Communications

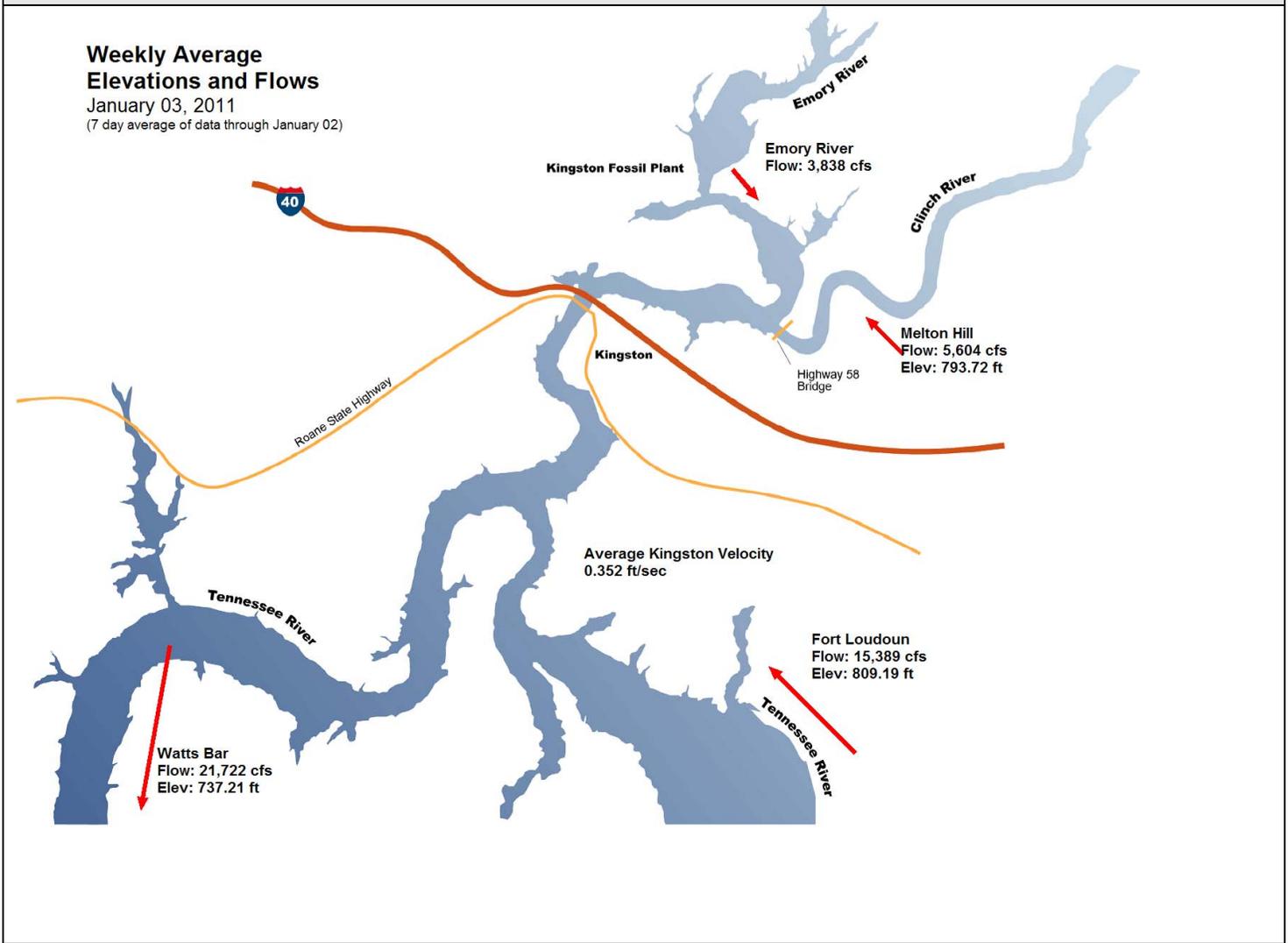
- No Weekly Report, Weekly Area Resident Update, CAG update, or public officials update due to limited holiday work schedule.

Outreach

- Reviewed website content for possible changes, additions or deletions.
- Updated Administrative Record with work plans and relevant documents.

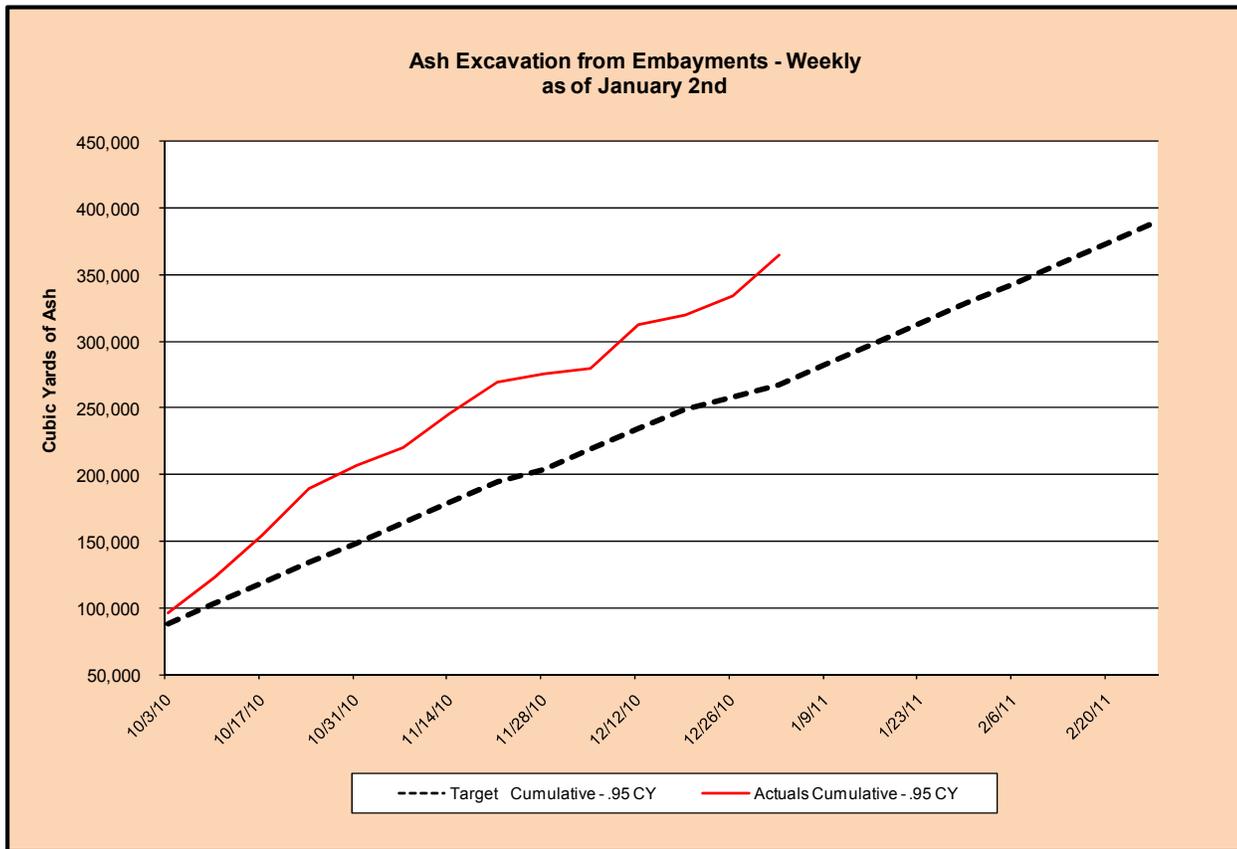
- Continued to respond to calls and visits from residents.

RIVER OPERATIONS



Kingston Recovery Project		Date:	Dec. 27, 2010 thru Jan. 2, 2011	Field Report	
Safety			Weekly Total	FY - Cumulative Total	
Near Misses			0	0	
First Aid Incidents			0	3	
Recordable Incidents			1	2	
Recordable Lost Time Incidents			0	0	
Environmental					
Org	Matrix	Samples*	Analyses*	Results*	
TVA	Air - Real-Time (Final)	--	--	267,188	
TVA	Air – Fixed	3,700	--	5,365	
TVA	Surface/Utility Water	5,075	44,051	215,335	
TVA	Ground Water (spring and well)	156	1,590	6,550	
TVA	Ash	77	102	1,673	
TVA	Soil/Sediment	362	771	5,049	
TVA	Biota	2,415	5,306	64,617	
*Week Ending 12/30/10					
Ash Removal	Time-Critical			Weekly Total	Cumulative Total
River Dredging				NA	2,772,786
East of Dike 2				NA	736,691
Ash Movement to Ballfield	Time-Critical				
Sluice Trench	Estimated CY (modified to an in-place volume)			0	155,493
West Storage	Estimated CY (modified to an in-place volume)			0	198,664
Dredge Cell (Cell 1)	Estimated CY (modified to an in-place volume)			0	458,924
Dredge Cell (Test Embankment Cell 3)	Estimated CY (modified to an in-place volume)			0	147,816
Lateral Expansion (Cell 4)	Estimated CY (modified to an in-place volume)			0	41,078
Ash Excavation (Mid-Embay to Ballfield)	Estimated CY (modified to an in-place volume)			0	2,000
Ash Disposal	Time-Critical			Weekly Total	Cumulative Total
Ash Disposal	Estimated Tons			0	3,748,058
Ash Removal / Excavation	Non-Time-Critical			Weekly Total	Cumulative Total
Middle Embayment	Estimated CY (modified to an in-place volume)			2,571	241,524
North Embayment	Estimated CY (modified to an in-place volume)			16,000	45,866
From Dredge Cell	Estimated CY (modified to an in-place volume)			0	7,150
From West Storage (TC)	Estimated CY (modified to an in-place volume)			0	23,896
From Mid-Embay to Ballfield	Estimated CY (modified to an in-place volume)			0	43,633
From North Embay to Ballfield	Estimated CY (modified to an in-place volume)			0	7,733
From Mid Embay to Lateral Expansion	Estimated CY (modified to an in-place volume)			8,464	24,578

From North Embay to Lateral Exp	Estimated CY (modified to an in-place volume)			3,511	3,511
Ash Stacking	Non-Time-Critical			Weekly Total	Cumulative Total
Subgrade Recontouring Central Dredge Cell (Cell 3)	Estimated CY (modified to an in-place compacted volume)			0	41,444
Ash Stacking Central/North Dredge Cell (Cells 2 & 3)	Estimated CY (modified to an in-place compacted volume)			15,639	235,034
Ash Stacking South Dredge Cell (Cell 1)	Estimated CY (modified to an in-place compacted volume)			0	0
Ash Stacking Lateral Expansion (Cell 4)	Estimated CY (modified to an in-place compacted volume)			0	0
Ash Stacking Ash Pond	Estimated CY (modified to an in-place compacted volume)			0	0
Ash Placement in Temporary Storage	Estimated CY (modified to an in-place compacted volume)			11,975	75,344



**Ash Stacking in Dredge Cell - Weekly
as of January 2nd**

