KINGSTON ASH RECOVERY PROJECT
WEEKLY REPORT
November 29 – December 5, 2010

Aerial Image of Kingston Ash Slide (10/21/2010)

Prepared by:	Issue (Date/Time)
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HIGHLIGHTS

- A major milestone was achieved on December 1, 2010, when the last train (train 414) was loaded and transported to the landfill in Uniontown, Alabama, for disposal. A total of over 4 million tons of ash was transported to the landfill.

SAFETY

- Two (2) site specific HSE orientations were conducted for the week – 1,743 to date. One hundred ninety-seven (197) HSE site orientation refresher courses have been conducted to date.
- Nine (9) Safety Observation Reports were submitted for the week – 1,570 to date; 1,558 have been closed.
- No incidents or injuries reported.

INFRASTRUCTURE/ASH MANAGEMENT

- Efforts for site maintenance, dust control, and HAZWOPER control continued.
- Continued recovering cenospheres from the onsite ponds.
- Mayse Construction is installing utility lines (water, gas, and telecommunications) across Swan Pond Circle Road underpass.

ASH DREDGING & PROCESSING

- Completed the draft of the On Scene Coordinator (OSC) Report (dredging) for collaborative review and input by TVA and EPA team.

ASH DISPOSITION

- Loaded and transported the final two (2) unit trains this week and began close out of LTD operations.
- Project-to-date loaded and transported 414 unit trains as reported on the official P&J scale. Tonnage is currently at 4,021,934.73 tons.
- Addition of polymer to rail cars continued throughout the week as necessary for moisture control. Loading of Train 414 was delayed by rain but left on December 1.
- All demobilization related work packages have been submitted by MACTEC and approved. Work is underway,
- MACTEC will adjust their work schedule for demobilization to 10-hour days on a Monday through Thursday schedule. Targeted completion is December 17.
- The return of the first five (5) trains of empty rail cars to Norfolk Southern service has been completed without incident.

SKIMMER WALL

- Aquarius Marine, LLC completed three caisson cap pours and started clean-up and demobilization.

DIKE REINFORCEMENT

- Approximately 180' of buttress was completed this week. Construction is at 44% complete.
- Jacobs continued to monitor the dikes at Kingston on a daily basis.

ROUTINE MONITORING

Surface Water Sampling

- Surface water sampling for all analyses specified in the EE/CA sampling and analysis plan is complete.
- Automated samplers have been deployed at two locations in the Clinch River, three 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.
- There was a rainfall event exceeding 1" in the 24-hour period on Tuesday, November 30, coupled with Emory River flow greater than 10,000 cfs that required activation of the Swan Pond Embayment automatic sampler and exceeded the criteria to trigger sampling from the Emory and Clinch River automated samplers. Due to the high flow associated with the storm event, several of the floating sampling stations were moved from their normal positions in the river. The automated sampler at ERM 4.0 was compromised to the point that the sample collection point was not known and the sample was discarded. Samples were obtained from all other samplers.
- Swan Pond Embayment surface water sampling continues routinely once per week at two 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
- Raccoon sampling at background locations has been suspended, pending a re-evaluation of reference locations.
- A readiness review for additional fish sampling was conducted on Thursday, December 2, to discuss additional samples and locations required to supplement the fall fish sampling event.

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. Sampling continues in the Clinch River. Ash deposit and submerged sediment sampling will continue into the month of January.
- A readiness review was performed on Thursday, December 2, for the upcoming seasonally exposed sediment sampling task that will be initiated when winter pool is reached.

Non-Routine Sampling
- None to report.

DREDGE CELL

- A meeting was held with TDEC and EPA on Thursday, December 2, to review the current status of the dredge cell design.
- Due to the persistent wet conditions of the ash in the embayment and in the Dredge Cell, very little ash was stacked in the former Dredge Cell during the week. A meeting was held with CP and Stantec on Monday, November 29, to discuss options for moisture control.

PLANT ASH DISPOSITION

- Civil Projects operated the sluice trench and ash pond areas to process plant-generated ash for disposal through December 1. Plant production ash is currently being sluiced to the Ash Pond.

EMBAYMENT ASH PROCESS

- TVA Civil Projects excavated and hauled ash from the North Embayment to the Ballfield for drying operations.

COMMUNICATIONS

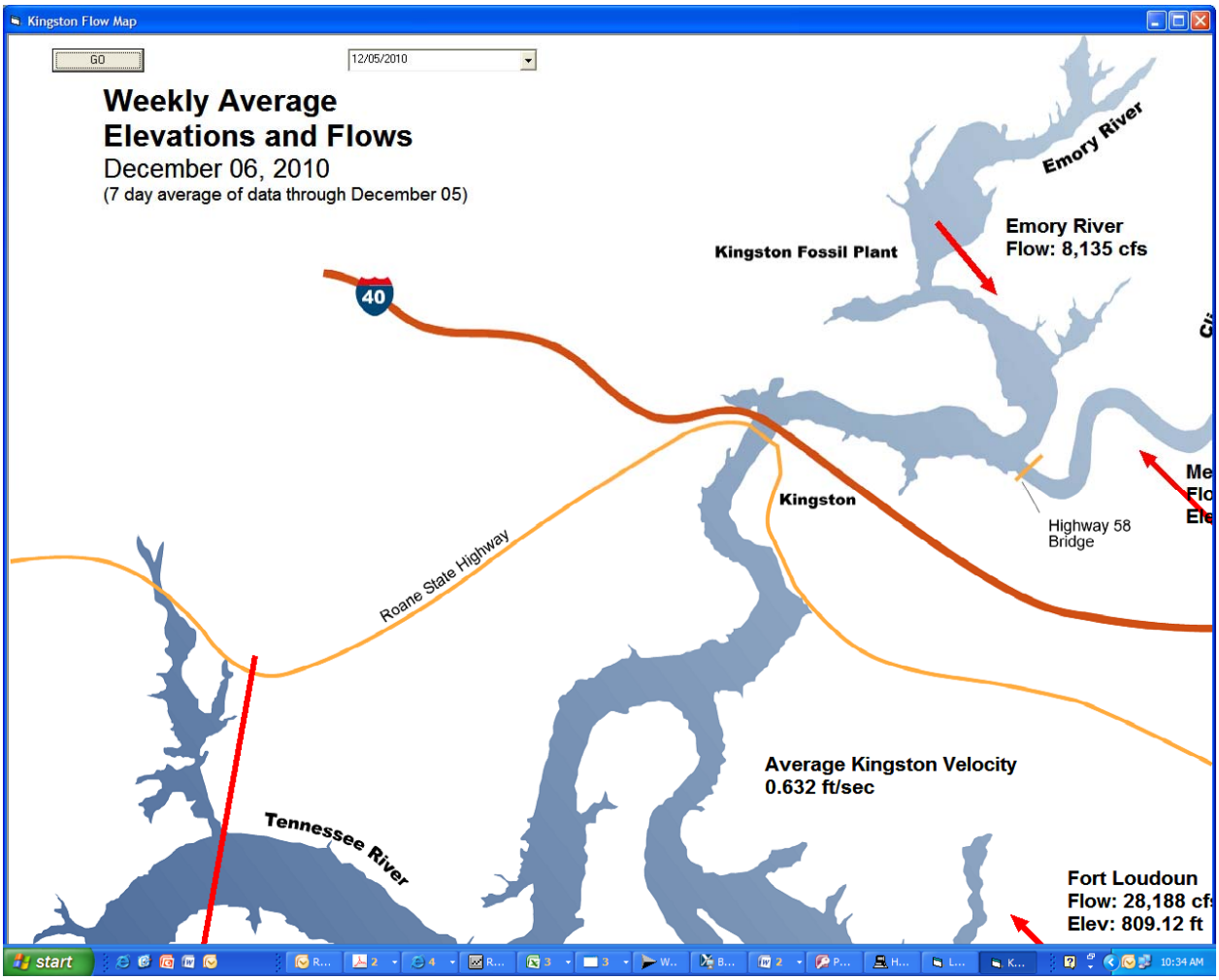
Communications

- Posted to Website: Weekly Report and Weekly Area Resident Update.
- Sent weekly update to the CAG, public officials and members of the public who have signed up to receive weekly emails.
- Delivered latest edition of *Inside the Cell* newsletter to site and plant employees.
- Prepared PowerPoint presentation for Congressional staff and committee briefings.

Outreach

- Provided updates to employees, customers, residents, and public officials on site activities.
- Hosted media representatives (TV and print) for stories on the final train of dredged ash leaving for the landfill in Alabama.
- Updated site bulletin boards with new newsletter and pertinent safety information.
- Finalized plans for luncheon to thank Michael Dunn Center employees for contributions to ash shipping.
- Provided site update at monthly CAG meeting.
- Updated Administrative Record with work plans and relevant documents.
- Continued to respond to calls and visits from residents.

RIVER OPERATIONS



Kingston Recovery Project	Date: November 29 – December 5, 2010	Field Report

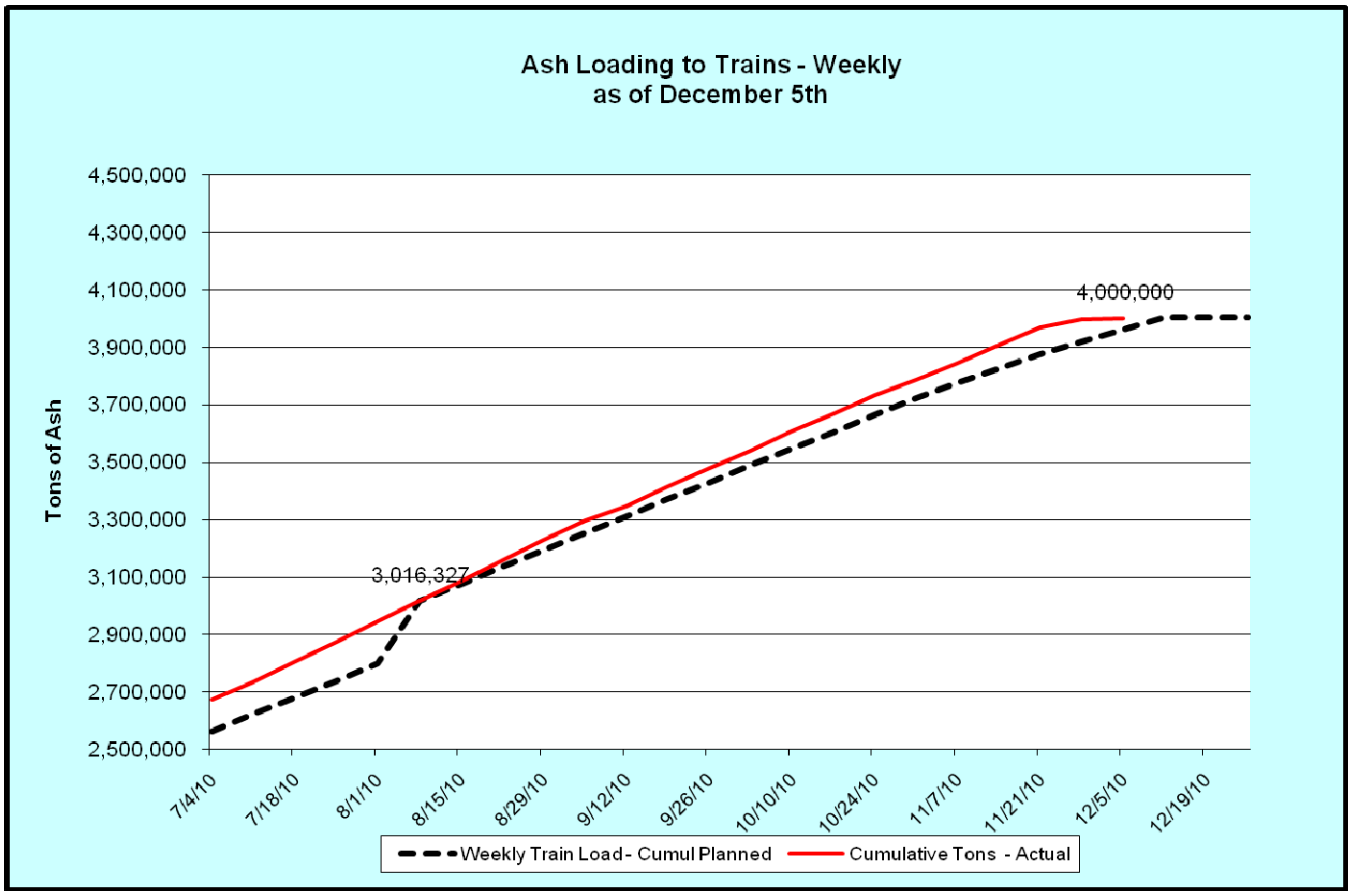
Safety	Weekly Total	FY - Cumulative Total
Near Misses	0	0
First Aid Incidents	0	0
Recordable Incidents	0	0
Recordable Lost Time Incidents	0	0

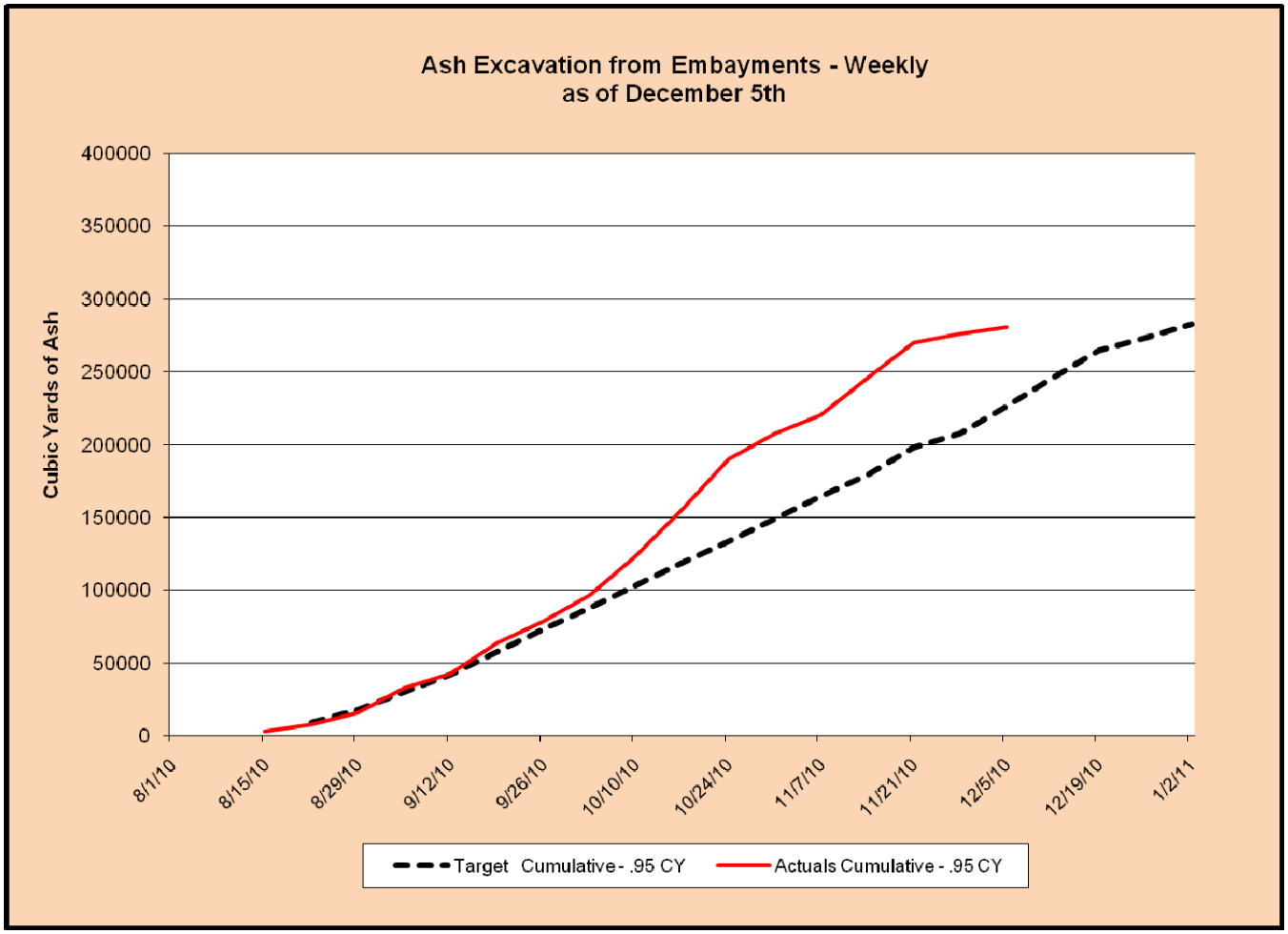
Environmental

Org	Matrix	Samples*	Analyses*	Results*
TVA	Air - Real-Time (Final)	--	--	267,188
TVA	Air – Fixed	3,503	--	5,108
TVA	Surface/Utility Water	5,048	43,941	214,719
TVA	Ground Water (spring and well)	146	1,526	6,227
TVA	Ash	77	102	1,673
TVA	Soil/Sediment	348	701	4,897
TVA	Biota	2,423	5,300	64,791
	*Week Ending 12/2/10			

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)			3,679	149,913
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)			4,075	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			36,337	4,021,935
Ash Removal / Excavation	**Non-Time-Critical**			**Weekly Total**	**Cumulative Total**
Middle Embayment	Estimated CY (modified to an in-place volume)			0	238,953
North Embayment	Estimated CY (modified to an in-place volume)			0	0
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)			3,699	33,517
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)			585	2,027

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)			0	196,427
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)			4,284	36,574




Ash Excavation from Embayments - Weekly
as of December 5th
Cubic Yards of Ash
400000
350000
300000
250000
200000
150000
100000
50000
0
8/1/10
8/15/10
8/29/10
9/12/10
9/26/10
10/10/10
10/24/10
11/7/10
11/21/10
12/5/10
12/19/10
1/2/11
Target Cumulative - .95 CY
Actuals Cumulative - .95 CY