KINGSTON ASH RECOVERY PROJECT
MONTHLY REPORT
May 2011

Prepared by:	Issue (Date/Time)
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SAFETY

- Thirty-two (32) site specific HSE orientations were conducted during May – 1,904 to date. One hundred ninety-nine (199) HSE site orientation refresher courses have been conducted this year.
- One hundred thirty-four (134) Safety Observation Reports were submitted during May – 2,036 to date; 2,030 are closed.
- The last recordable incident occurred on December 22, 2010.
- There was a crane incident on May 24 at the bridge demolition project when a boom stop was bent. An investigation is ongoing.
- The TRIR through the last reporting period was 0.77.

INFRASTRUCTURE/ASH MANAGEMENT

- Efforts for site maintenance, dust control, and HAZWOPER control continued.
- Continued recovering cenospheres from the onsite ponds.
- Continued construction of East/West Haul Road relocation.

ASH SLURRY & POND TSS CONTROL

- Rim Ditch closure work advanced enough for Sluice Trench cleaning to begin, and 1,832 cubic yards of ash was removed from the Sluice Trench. This is Plant ash and will be processed for placement in the Interim Ash Storage Area (Ballfield).
- TSS sampling was performed throughout the ash slurry system. TSS levels were at or below regulatory targets throughout the month.
- No pH control actions were required during the month in the Ash Pond.
- The May 11 bathymetric survey data was processed and Free Water Volume was calculated as 80 million gallons.
- The Plant operated an average of eight units with all nine units operating at month's end.

ASH PROCESSING / BALLFIELD PREPARATION

- Rim Ditch closure work progressed with placement of fill continuing.
- Rim Ditch ash was excavated and processed for placement in the Dredge Cell.
- Ballfield excavation to 770' average elevation was completed during the month. All removed material was placed in the Central Dredge Cell.

DIKE REINFORCEMENT

- Segment A is completed to Station 120.
- EPA approved the request for additional buttress along the Skimmer Wall.
- RSI collected vibecore samples in the intake channel to identify impacts of potential current change when the causeway is removed. Results were submitted to the regulators as part of the Causeway Removal Work Plan.
- CP installed buttress on the intake side of Segment B.
- 4,761 feet of buttress have been completed. Work is approximately 90% complete.
- EPA approved the plan for the Causeway Removal.
- EPA approved the plan for Siphon Construction.
- Siphon installation began and is approximately 75% complete.
- Bridge removal was completed and the subcontractor is demobilizing.
- EPA is reviewing the Work Plan for Segment B, Part 2.

ROUTINE MONITORING

Surface Water Sampling

- There was one rainfall event on May 3, 2011, that triggered storm flow sampling in Swan Pond Embayment and the Emory and Clinch Rivers.
- Continued routine surface water sampling at the Stilling Pond and Swan Pond Embayment.
- Daily pH readings continue in the Dirty Water Ditch, Settling Basin, and associated run-off ditches. The pH readings are being collected to monitor conditions during ash stacking operations and perimeter wall construction.

Air Sampling

- Air monitoring results for May from TVA air samplers indicated exceedances of the Ambient Air Monitoring Plan (AAMP) action levels on May 22, May 30, and May 31, 2011. The exceedances were investigated and not deemed to be related to site activities, as regional levels were also elevated. Additionally two of the three days with exceedances were weekend or Holidays when minimal or no activity was being performed at the site.

Data Management

- The NTCRA EECA technical memorandum for groundwater was issued.
- The NTCRA EECA technical memorandums for reptiles and tree swallows are undergoing internal review.

Biota Sampling

- Preparation and planning is underway for benthic invertebrate and aquatic vegetation sampling. Sampling is scheduled to begin early June.
- Assisted Virginia Tech with tree swallow monitoring program.

River System EE/CA Sampling and Analysis

- Ash deposition and submerged sediment sampling was completed in the Emory River Reference Reach. All planned NTCRA vibecore and submerged sediment sampling is complete.
- Replenishment water collection from CRM 7.0 was collected in support of the bulk sediment bioassay testing from the Clinch River. The final bulk water samples for the Clinch River were collected week of May 13, 2011.
- Performed readiness review and initial preparations for the Bioassay and Pore Water sampling in the Emory River.
- Collected bioassay submerged sediment and pore water samples from 9 locations in the Emory River.

Non-Routine Sampling

- Additional vibecore and submerged sediment samples were collected in the intake channel associated with the bridge removal and buttressing.
- Ash/soil samples were collected from the material in and around the transformer found during excavation in the Central Storage Area to confirm PCBs were not present.
- Confirmation samples were collected in the North Embayment from several sectors deemed clean by operations.

DREDGE CELL

- Continued to stack ash in the Central Dredge Cell.
- Conducted test of insitu lime treatment within the Dredge Cell.
- Continued to prepare the working platform for the perimeter containment wall along Swan Pond road.
- Finished coring within the Demonstration Test section to collect samples for unconfined compressive strength and permeability testing.
- Held meeting to discuss preliminary results of strength testing.
- Stantec submitted a 30% preliminary design for the capillary break, infill ash stacking, and final cap and cover for the North Dredge Cell. Held a 30% preliminary design review meeting for the Dredge Cell closure design.

LATERAL EXPANSION

- Continued recontouring of the Lateral Expansion area.
- Removed a 24” dredge pipe buried during river dredging.

EMBAYMENT ASH PROCESS

- Continued excavation of the North Embayment area.
- Placed riprap buttress along slope of Swan Pond Circle Road.

- Re-routing water for ash drying.
- A pilot project to stabilize ash was performed. (WHO IS RECON?)

COMMUNICATIONS

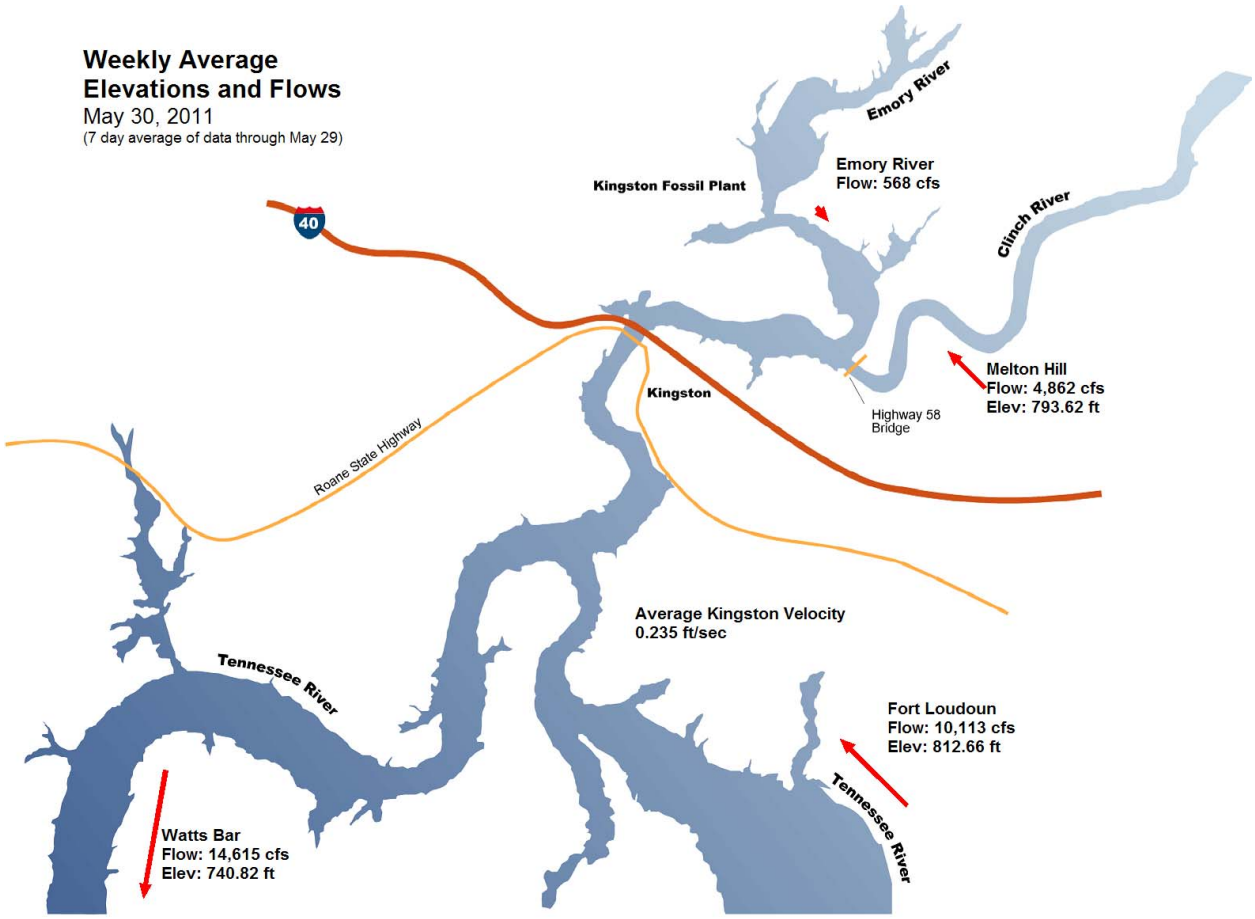
Communications:

- Added Weekly Dike C Reports and Weekly Area Resident Updates to Kingston Ash Recovery website.
- Sent weekly updates to the CAG, public officials and members of the public who have signed up to receive weekly emails.
- Mailed letters about property plans to former property owners, and announced to public officials.
- Updated Administrative Record with work plans and relevant documents.
- Continued to respond to calls and visits from residents.
- Distributed *Inside the Cell* newsletter to site and plant employees.
- Posted Educational Initiative information to the TVA website.
- Updated site bulletin boards.

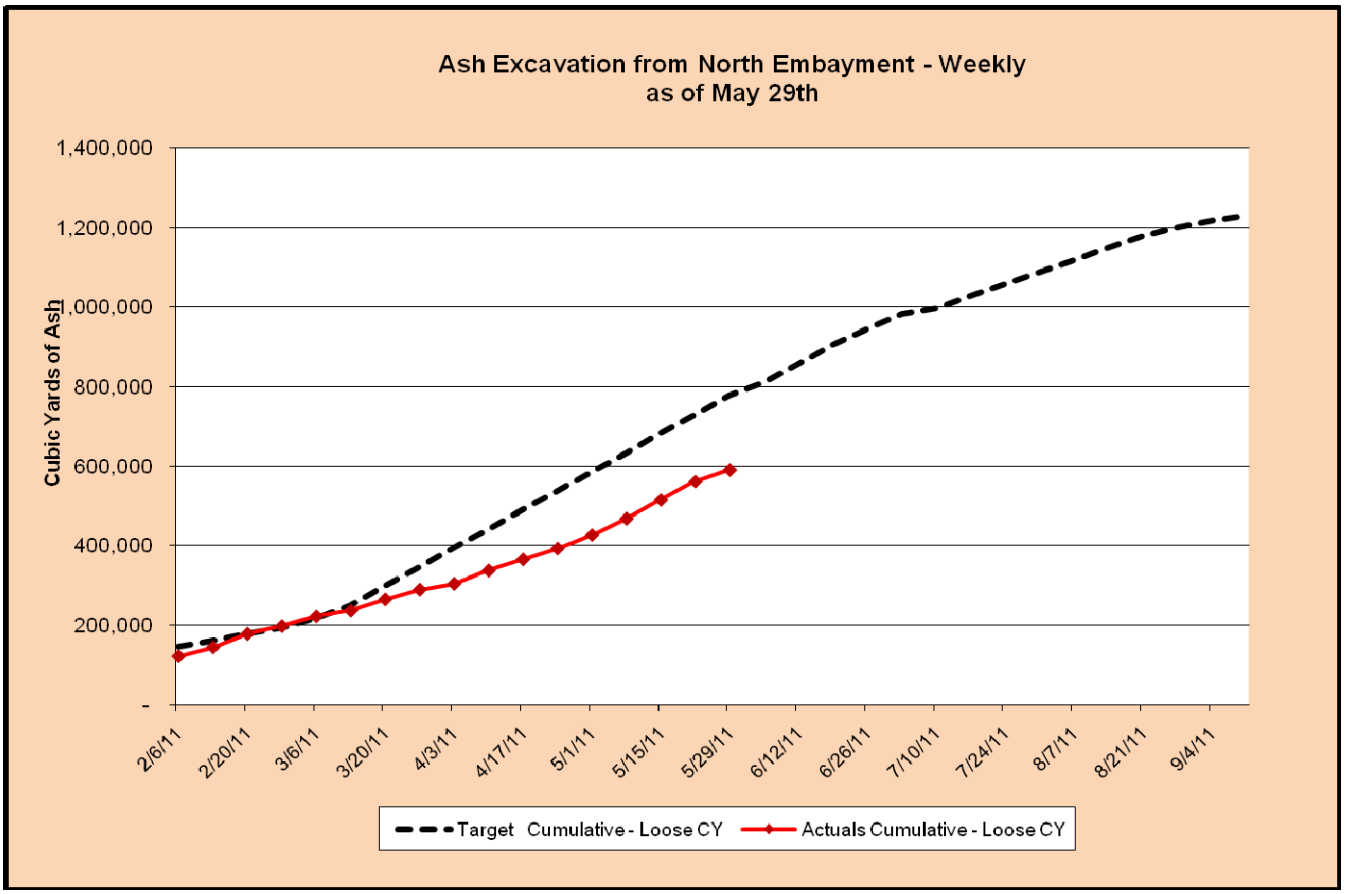
Outreach:

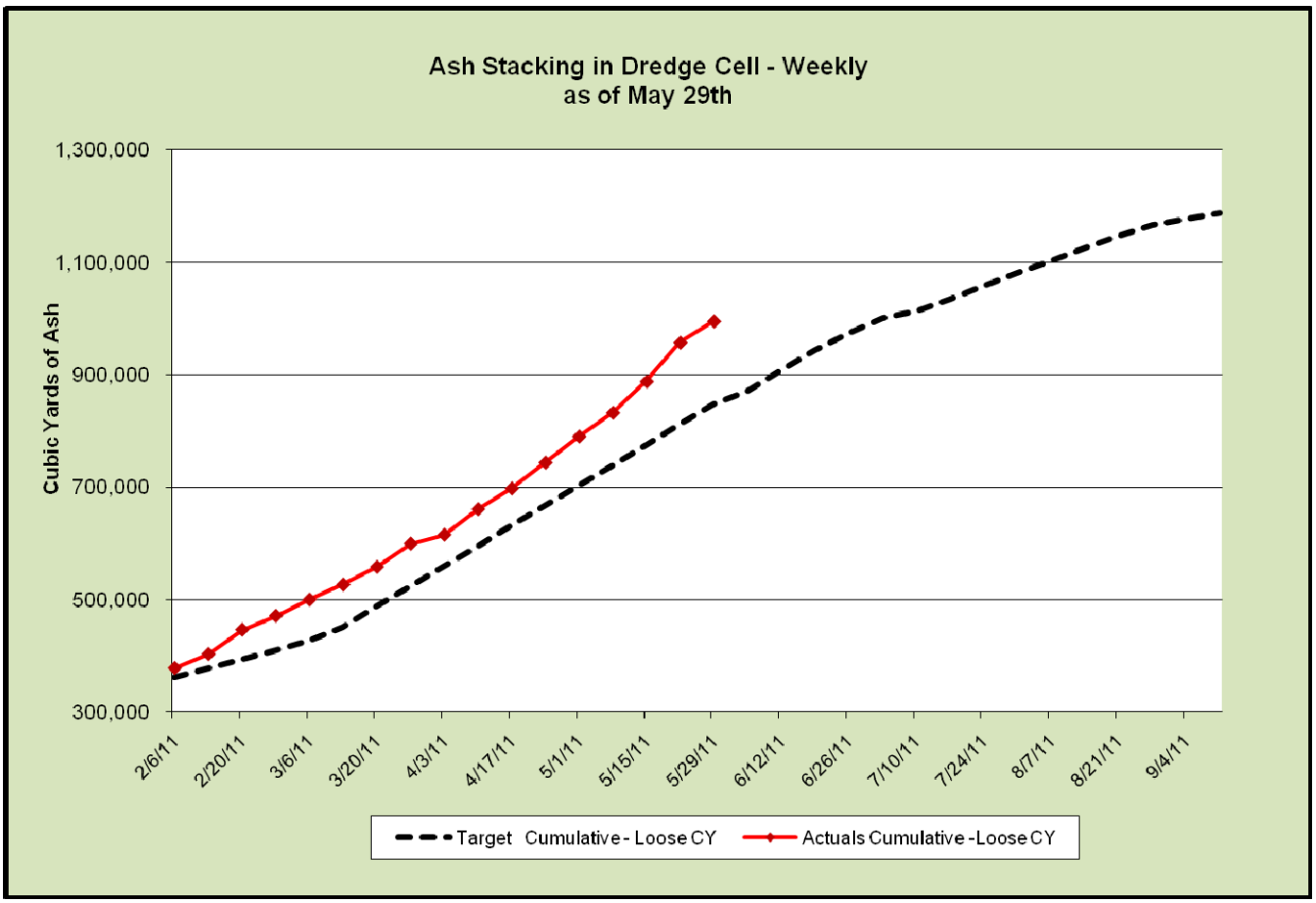
- Continued the "Biscuits with the Project Management" meetings with site employees.
- Conducted ReBoot drive to support Operation Stand Down to aid homeless veterans.

RIVER OPERATIONS



KINGSTON ASH RECOVERY PROJECT	MAY 2011			FIELD REPORT
Safety			**Monthly Total**	**FY - Cumulative Total**
Near Misses			0	0
First Aid Incidents			0	9
Recordable Incidents			0	2
Recordable Lost Time Incidents			0	0
Environmental	**Matrix**	**Samples**	**Analyses**	**Results**
Organization - TVA	Air - Real Time (Final)	--	--	267,188
Organization - TVA	Air - Fixed	4,876	--	7,137
Organization - TVA	Surface/Utility Water	5,352	46,153	226,781
Organization - TVA	Ground Water (spring & well)	191	1,906	9,097
Organization - TVA	Ash	79	105	1,714
Organization - TVA	Soil/Sediment	778	1,489	9,671
Organization - TVA	Biota	3,129	6,900	84,627
Ash Removal/Excavation	**Non-Time-Critical**			**Cumulative Total**
From West Storage TC to Dredge Cell	Estimated CY (modified to an in-place volume) Time Critical			17,834
Mid Embayment to Dredge Cell	Estimated CY (modified to an in-place volume)			176,915
From Mid Embayment to Dredge Cell 1 - Relic	Estimated CY (modified to an in-place volume)			1,529
North Embayment to Dredge Cell	Estimated CY (modified to an in-place volume)			287,769
From Dredge Cell	Estimated CY (modified to an in-place volume)			5,336
From Mid Embayment to Ballfield	Estimated CY (modified to an in-place volume)			47,254
From North Embayment to Ballfield	Estimated CY (modified to an in-place volume)			109,716
From Mid Embayment to Lateral Expansion	Estimated CY (modified to an in-place volume)			33,598
From Settling Basin to Lateral Expansion	Estimated CY (modified to an in-place volume)			4,889
From North Embayment to Lateral Expansion	Estimated CY (modified to an in-place volume)			18,764
From North Embayment to Mid Embayment	Estimated CY (modified to an in-place volume)			3,198
Ash Stacking	**Non-Time-Critical**			**Cumulative Total**
Subgrade Recontouring Central Dredge Cell (Cell 3)	Estimated CY (modified to an in-place compacted volume)			30,930
Subgrade Recontouring North Dredge Cell (Cell 2)	Estimated CY (modified to an in-place compacted volume)			3,198
Subgrade Recontouring Lateral Expansion (Cell 2)	Estimated CY (modified to an in-place compacted volume)			56,911
Ash Stacking Central/North Dredge Cell (Cells 2 & 3)	Estimated CY (modified to an in-place compacted volume)			581,944
Ash Stacking South Dredge Cell (Cell 1)	Estimated CY (modified to an in-place compacted volume)			4,930
Ash Stacking Lateral Expansion (Cell 4)	Estimated CY (modified to an in-place compacted volume)			0
Ash Stacking Ash Pond	Estimated CY (modified to an in-place compacted volume)			0
Ash in Temporary Storage	Estimated CY (modified to an in-place compacted volume)			-69,936


Ash Excavation from North Embayment - Weekly
as of May 29th
Cubic Yards of Ash
1,400,000
1,200,000
1,000,000
800,000
600,000
400,000
200,000
-
2/6/11
2/20/11
3/6/11
3/20/11
4/3/11
4/17/11
5/1/11
5/15/11
5/29/11
6/12/11
6/26/11
7/10/11
7/24/11
8/7/11
8/21/11
9/4/11
Target Cumulative - Loose CY
Actuals Cumulative - Loose CY


Ash Stacking in Dredge Cell - Weekly
as of May 29th
Cubic Yards of Ash
1,300,000
1,100,000
900,000
700,000
500,000
300,000
2/6/11
2/20/11
3/6/11
3/20/11
4/3/11
4/17/11
5/1/11
5/15/11
5/29/11
6/12/11
6/26/11
7/10/11
7/24/11
8/7/11
8/21/11
9/4/11
Target Cumulative - Loose CY
Actuals Cumulative - Loose CY