

**Tennessee Valley Authority
Regulatory Submittal for Kingston Fossil Plant**

**Documents submitted:
Cenosphere Collection Area Consolidation Work Plan**

**Date submitted
6/17/2009**

**Submitted to whom
Leo Francendese, EPA**

Concurrence

Received Not Applicable TVA

<input checked="" type="checkbox"/>	<input type="checkbox"/>	Anda Ray
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Mike Scott
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Kathryn Copeland
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Cynthia Anderson
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Dennis Yankee
<input type="checkbox"/>	<input checked="" type="checkbox"/>	David Stephenson
<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	_____
<input type="checkbox"/>	<input type="checkbox"/>	_____

Received Not Applicable Jacobs

<input type="checkbox"/>	<input checked="" type="checkbox"/>	John Moebes
<input checked="" type="checkbox"/>	<input type="checkbox"/>	Julie Pfeffer
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Jack Howard
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Donna Cueroni
<input type="checkbox"/>	<input checked="" type="checkbox"/>	Paul Clay
<input type="checkbox"/>	<input type="checkbox"/>	_____

Approvals

TVA Michael T. Scott Date 6/18/09
EPA Leo Francendese Date 6/19/09

Consulted w/ TDEC B. Scott.

cc:

- Anda Ray, TVA
- Barbara Scott, TDEC
- Leo Francendese, EPA
- Mike Scott, TVA
- Dennis Yankee, TVA
- Kathryn Copeland, TVA
- Cynthia Anderson, TVA
- John Moebes, Jacobs
- EDM
- Julie Pfeffer, Jacobs
- David Stephenson, TVA
- Michelle Cagley, TVA
- Greg Signer, TVA
- KIF Incident Document Control
- Katie Kline, TVA
- Gretchen Wahl, Jacobs
- Barbara Scott, TDEC
- Dannena Bowman, EPA
- Jeff Gary, Jacobs

Cenosphere Collection Area Consolidation Work Plan

1.0 Purpose of Work

The objective of this work plan is to consolidate the cenosphere collection areas into one area that is more easily maintained and to demolish the existing cenosphere collection areas.

2.0 Design Components

The purpose of the effort from this work plan is to excavate the existing ash and cenosphere collection areas (4) from the location they are currently constructed and haul this material to the ash storage area. The material consists of bottom ash and cenospheres. The work plan also covers the construction of a new cenosphere collection area near the south end of the sluice trench. The new area would be constructed from bottom ash located on site.

This new location would allow the cenosphere collection area to be more easily maintained as a part of normal ash recovery from the sluice trench. The overflow will go into the sluice trench. The removal of the current collection area would allow additional room along the ash pond for road widening if needed. It will also reduce the amount of ash outside of the ash processing area.

The cenospheres will be excavated from within the impounded area and hauled to the ash storage area. Care will be taken to not excavate below the bottom of the pit to avoid impacting the pond dike. The dike materials will be re-graded to a uniform grade. If additional fill material is needed it will be either bottom ash or rip rap.

3.0 Construction Management

The construction will be accomplished with track hoes and articulated trucks.

4.0 Schedule

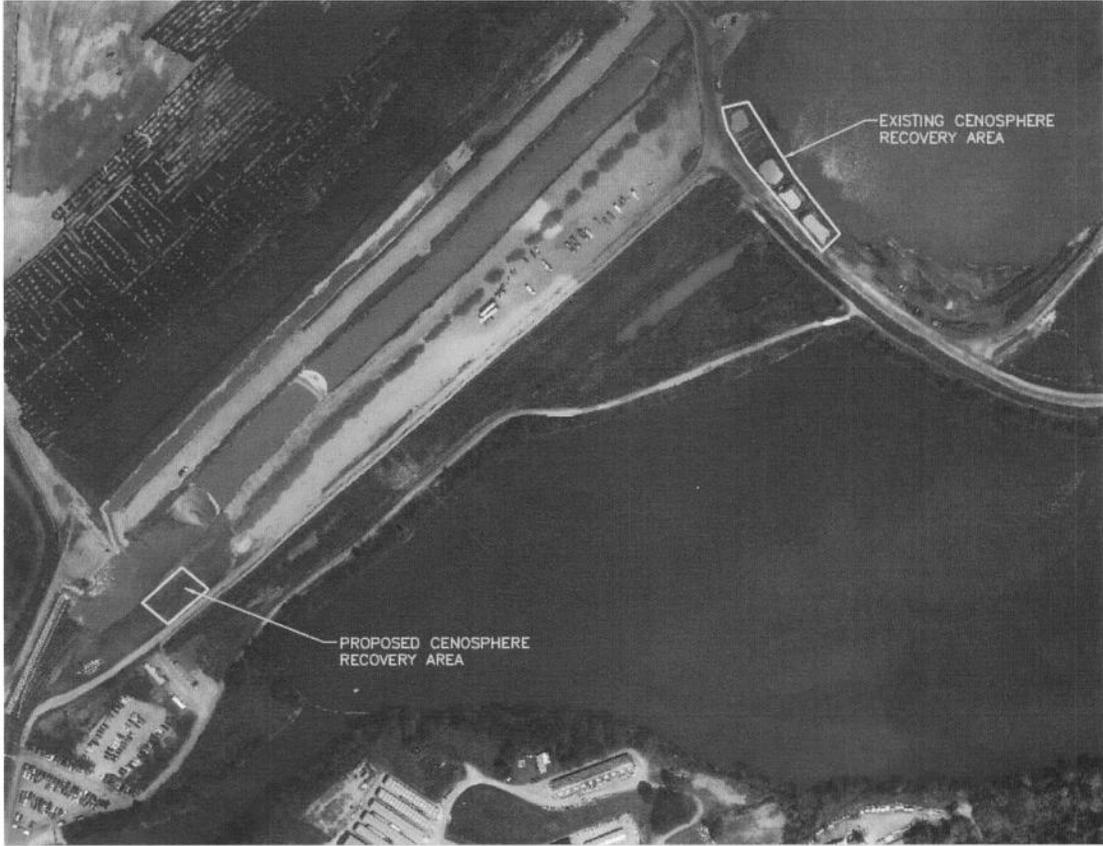
The schedule of the construction would be accomplished in 1 to 2 days and could be scheduled as convenient to other work being performed on site.

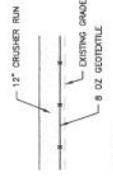
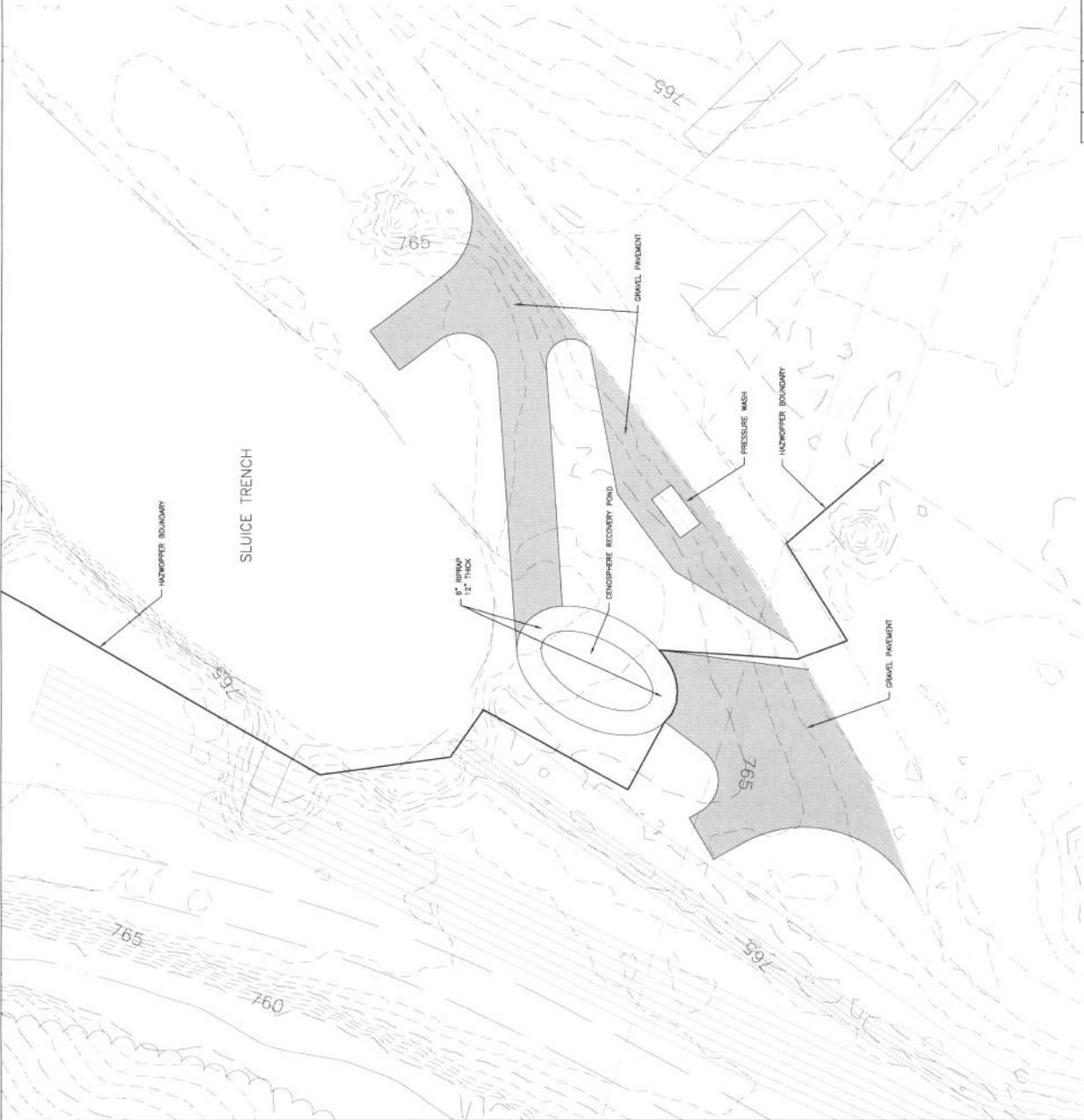
5.0 Waste Management

The only waste anticipated to be generated by this construction is ash and cenospheres which would be disposed of in the ash storage area.

6.0 Health and Safety

All construction activities will be done in accordance with site-wide Health and Safety Plan.





NOTE:
 LEVEL DISTING GRADE AS NECESSARY
 PRIOR TO PLACEMENT OF CRUSHER RUN.
GRAVEL PAVEMENT DETAIL
 NOT TO SCALE



1" = 20'-0" 0 20' 40' 60'

JACOBS	
UNIVERSITY MICROFILMS TENNESSEE VALLEY AUTHORITY	
PROPOSED CENOSPHERE RECOVERY AREA	
DATE: 11-20-07	PROJECT NO: NF-58-005
SCALE: A	REVISION: A

ISSUED FOR DESIGN	DATE	BY