Possum Point Power Station
Ash Sluice Pond "E" Pond Mechanical Dredging

Project Background and Objective:

In order to construct a Lined Low Volume Wastewater Pond, Ash Basin E must be dredged to a clean close status. "Clean Closed" refers to the basin which is presently 80% full of ash being completely clean of any ash (0% full). In order to accomplish this task Mechanical Dredging is the preferred method due to schedule constraints and dewatering activities. The ash removed from Pond "E" will be placed in Pond "D"

Major Scope Items:

- Decant the Surface Waters of Pond "E" and "D"
- Dewater Pond "E" using a sump and ditches. Water will be discharged through the outlet structure of the pond, Electric Pumps with muffled Generators will be utilized if required.
- A Haul Road will be established on the East Edge of the pond. In order to construct a safe haul road the slope on Pond "D" dam must be reduced in a section approximately 75 feet wide.
- Excavation will begin. The first cut will be made East to West to add additional drainage to the pond. The following work will be in a West to East process starting in the North East Corner of the Pond.
- Ash will be placed in Pond "D" to the specified grades. If Pond "D" ash is to wet, material will be stockpiled on the West side of Pond "D" until the closure of Pond "D" is awarded.
- All ash will be removed from Pond "E"
- Work in the South West corner of the Pond will be restricted to 2 pieces of equipment (one haul unit and one load unit) except in the case of an emergency. The eagle nest PW 1103 will be closely monitored when this work is taking place
- The operation will work on a 5 day a week schedule with 12 hour work days. The targeted complete date will be 180 days after the publication date of the Ash Rule, with the major excavation being complete in 100 days. The remaining 80 days will be used to dewater the pond and as weather days.

Environmental Items:

- The contractor will be responsible for maintaining effluent water quality limits as established by Dominion, at normal outfall of "E".
- The contractor will not be able to use lights and must provide a noise, excavation, and dewatering plan to minimize the impact of the Eagles nest.
- The necessary Erosion Control Permits must be obtained to build the haul road outside of the Pond.

Project Schedule:

• Decanting Pond "D" and "E"	3/2/15
• PO award target date for contractor	3/17/15
• Dewatering Activities begin	3/19/15
• Excavation Begins	3/30/15
• Excavation Complete	7/15/15
• Demobilization	August 2015