



Office Memorandum

Date: October 1, 2021

To: Cynthia Vodopivec

cc: Charles Koudelka

From: Vic Modeer

Subject: Dynegy Midwest Generation, LLC
Hennepin Power Station

BACKGROUND

The October 2016 certified "CCR Certification Report: Initial Structural Stability Assessment, Initial Safety Factor Assessment, and Initial Inflow Design Flood Control System Plan, Ash Pond at Hennepin Power Station" (CCR Certification Report)" prepared by AECOM describes the outlets of the East Ash Pond. The East Ash Pond utilizes a 7 ft wide x 9 ft wide concrete vertical drop structure as a secondary outflow to a 36-inch diameter reinforced concrete pipe (RCP) to the East Polishing Pond.

The CCR Certification Report states: *"An evaluation of the 36-inch spillway pipe design drawings, operational and maintenance procedures and conditions observed in the field did not identify any issues. However, the 36-inch spillway pipe has not yet been inspected using CCTV equipment because the outlet of the pipe is below the normal pool elevation in the downstream East Polishing Pond, causing the pipe to be completely full of water during normal conditions. The pool level in the East Polishing Pond must be maintained above the pipe elevation as part of station operations, and the condition precludes camera inspection. Because a thorough visual inspection of the 36-inch secondary spillway pipe has not yet been completed, AECOM cannot currently conclude that the §257.73(d)(1)(vi) requirements have been met for the secondary spillway pipe. As a corrective measure, AECOM recommends that the 36-inch secondary spillway pipe be inspected using CCTV equipment as soon as feasible and that this assessment be updated with documentation of the inspection at that time."*

The Hennepin Power Station boiler was shut down and ceased operation on November 1, 2019.

EVALUATION

2021 Pipe Inspection.

The October 4, 2021 inspection was performed on the 36-inch spillway by Jason Stuckey. A visual inspection of the horizontal pipe was possible as water was not flowing at the time of the inspection. The inspection of the 7 ft wide x 9 ft wide concrete vertical drop structure as a secondary outflow to a 36-inch diameter reinforced concrete pipe (RCP) did not show any deficiencies in the concrete drop inlet structure or the pipe.

Based on these evaluations, the East Ash Pond meets the requirements in § 257.73(d)(1)(vi). Please let me know if you have any questions.

Sincerely,



Vic Modeer, PE, D.GE
(IL, MO, IN, KY, OH, LA)
Engineering Manager

