

**FEDERAL ENERGY REGULATORY COMMISSION**  
**Office of Energy Projects**  
Division of Dam Safety and Inspections - Chicago Regional Office  
230 South Dearborn Street, Suite 3130  
Chicago, Illinois 60604  
(312) 596-4430 Office

In reply refer to: P-2056

July 6, 2023

Via Electronic Mail

Mr. Scott Crotty  
Senior Hydro Operations Manager  
Xcel Energy  
Scott.a.Crotty@xcelenergy.com

RE: St. Anthony Falls Project (P-2056) Hennepin Island Earth Dam Seepage Investigation

Dear Mr. Crotty:

You filed a November 30, 2022 letter with an investigation report regarding the seepage observed at the Hennepin Island Dam P-2056-02. The filing is a response to our August 17, 2022 letter. An incident report was filed with a June 22, 2022 letter, and a drilling plan was filed with a July 22, 2022 letter.

The investigation report includes a summary of observations, boring logs, an assessment of existing conditions, and recommendations. The report was prepared by Mr. Brian Tri, P.E., of Barr Engineering of Minneapolis, MN. Based on the investigation, your consultant recommends installing a seepage cutoff in the embankment. You indicate in your letter that you concur with your consultant's conclusions and recommendations presented in the investigation report and that you intend to install either a slurry wall or a sheet pile cutoff wall.

During a telephone conversation on June 5, 2023, with Mr. Dean Steines, P.E., of your organization, Mr. Steines indicated that you intend to complete all the engineering and design work in 2023 and the wall installation during the 2024 construction season. In the interim, you will continue to closely monitor seepage at the Hennepin Island Earth Dam and filter materials will continue to be stockpiled on site for placement if needed. Your plan of action is acceptable. Please submit the design report, plans and specifications, Quality Control and Inspection Plan (QCIP) and Temporary Construction Emergency Action Plan (TCEAP) for the work by **December 31, 2023**.

If there are any questions regarding this letter, contact Mr. Teodor Strat at (312) 596-4450 ([teodor.strat@ferc.gov](mailto:teodor.strat@ferc.gov)) or me at (312) 596-4430.

Sincerely,

**KEVIN  
GRIEBENOW**

Digitally signed by  
KEVIN GRIEBENOW

Date: 2023.07.06  
13:20:02 -05'00'

Kevin Griebenow, P.E.  
Regional Engineer