

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

In reply refer to: P-2056

September 14, 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 Horseshoe Dam Alternatives

Dear Mr. Crotty:

You filed on December 22, 2022 the St. Anthony Falls Project (P-2056) Hennepin Island Horseshoe Dam Alternatives Study on December 22, 2022. Mr. Brian K. Tri, P.E. of the BARR Engineering of Minneapolis, MN prepared the study. The study was recommended by your consultant to investigate the leakage observed at various locations in the Horseshoe Dam Spillway.

Your consultant evaluated the Horseshoe Dam and prepared a 20% design for the following concepts to address the leakage:

1. Reinforced concrete overlay.
2. Permeation grouting.
3. Preplaced aggregate concrete overlay.

You indicate that Xcel Energy is currently evaluating measures to replace the existing flashboard system and that leakage remediation will likely be performed concurrently with the flashboard replacement, tentatively planned for construction beginning in 2025, once you made a decision on the proposed concept you intend to employ. You further indicate that Xcel Energy is currently seeking construction cost estimates from a contractor and that the selected alternative will depend on the costs and the measures selected to replace the flashboards. This is acceptable.

Following our telephone conversation on June 5, 2023, with Mr. Dean Steines,

P.E., of your organization, and our review of the investigation report regarding the seepage observed at the Horseshoe Dam filed on November 30, 2022, it was agreed that you will submit the design report, plans and specifications, Quality Control, and Inspection Plan (QCIP) and the Temporary Construction Emergency Action Plan (TCEAP) for the work by **December 31, 2023**. This was documented in our July 6, 2023, letter and is still valid.

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

Sincerely,

KEVIN

GRIEBENOW

Digitally signed by
KEVIN GRIEBENOW

Date: 2023.09.14
15:40:17 -05'00'

Kevin Griebenow, P.E.
Regional Engineer