

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 – 312.596.4460 Facsimile

In reply refer to: P-2056

April 27, 2021

Via Electronic Mail

Mr. James M. Zyduck
Plant Director/Chief Dam Safety Official
Xcel Energy
james.zyduck@xcelenergy.com

Re: Dam Safety Surveillance and Monitoring Report (DSSMR)
St. Anthony Falls Hydroelectric Project (FERC No. 2056)

Dear Mr. Zyduck:

The FERC received the 2020 annual DSSMR for the St. Anthony Falls Dam with a March 16, 2021 transmittal letter. The DSSMR was prepared by Mr. Dean S. Steines, P.E., Principal Plant Engineer, and includes your statement that the dam is safe for continued operation.

No significant dam safety concerns were identified from the routine visual and instrumentation monitoring. However, the DSSMR documents several areas that require continued monitoring and annual reporting including: depressions noted in the Hennepin Island Earth Dam, deterioration/leakage of Horseshoe Dam Spillway, deterioration on the limestone canal wall at the St. Anthony Falls Laboratory intake, and undermining at the downstream end of the wasteways.

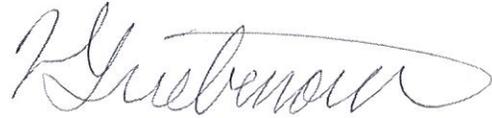
The following comments were noted in the review of the 2020 DSSMR:

1. As noted in the DSSMR and December 2, 2020 Supplement No. 2 to the 2019 Part 12D Report, an evaluation study for rehabilitation of the Horseshoe Dam Spillway and selected alternative is already scheduled to be submitted by December 31, 2022.
2. In next year's DSSMR due by **April 1, 2022**, the recently installed piezometers to monitor the depression observed in 2019 in the Hennepin Island Earth Dam between the wasteways should be added to Figure 2 in Appendix B - Support Drawings as well as the associated boring logs.

The 2020 DSSMR satisfactorily fulfills the annual requirement under Chapter 14 – Appendix K of the FERC’s Engineering Guidelines.

Contact me at (312) 596-4430 or Mr. Scott Airato at 312.596.4431 (scott.airato@ferc.gov) if you have any questions.

Sincerely,

A handwritten signature in cursive script, appearing to read "J. Zygaj", written in black ink.

for John A. Zygaj, P.E.
Regional Engineer