

**Consumers  
Power  
Company**

General Offices: 212 West Michigan Avenue, Jackson, Michigan 49201 • Area Code 517 788-0550

June 27, 1975

## REGULATORY DOCKET FILE COPY

Division of Reactor Licensing  
US Nuclear Regulatory Commission  
Washington, DC 20555

Re: Docket 50-255  
License DPR-20  
Palisades Plant  
Flushing Report

Gentlemen:

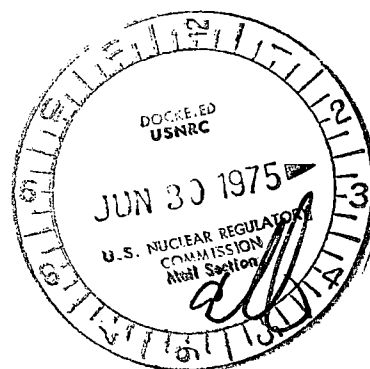
Attached is Steam Generator Flushing Report No 6 for the Palisades Plant. This report covers the period from April 28, 1975 to May 31, 1975.

Yours very truly,

Ralph B. Sewell  
Nuclear Licensing Administrator

RBS/ds

CC: JGKepler,  
USNRC



8975

PALISADES PLANT  
Steam Generator Flushing Report No 6

This report covers the period from April 28, 1975 to May 31, 1975. In compliance with Appendix C to the Provisional Operating License DPR-20, as revised March 28, 1975, graphs are attached showing steam generator:

1. Phosphate and Sulphate Concentration
2. Conductivity ( $\mu\text{mho/cm}$ )
3. pH
4. Weight of Phosphate and Sulphate Removed

These graphs detailing steam generator chemistry for this period show the stability achieved with AVT. Steam Generator  $\text{PO}_4$  has remained 0.2-0.4 ppm. Steam Generator  $\text{SO}_4$  has remained less than detectible ( $<1.0$  ppm). Blowdown from the steam generators has been nearly continuous at 5000 lb/h per steam generator. The amount of phosphate removed from the steam generators increased during this period by a little over one pound per generator.

Steam generator pH control during this period has alternated between ammonia and morpholine; however, the relationships between the concentrations of these volatiles and expected pH has not held, with pH being lower than expected. The reason for this condition is currently under study.

Suspended solids in the blowdown have averaged about 0.5 ppm from both steam generators during this period.