

FROM: Northern States Power Company
 Minneapolis, Minnesota 55401
 D. F. McElroy

DATE OF DOCUMENT: 3-5-70
 DATE RECEIVED: 3-9-70
 NO.: 719

TO: Dr Peter A. Morris

LTR. MEMO: REPORT: OTHER:
 X
 ORIG.: 1 CC: OTHER:
 ACTION NECESSARY CONCURRENCE DATE ANSWERED
 NO ACTION NECESSARY COMMENT BY:

CLASSIF: U POST OFFICE: REG. NO:

FILE CODE: 50-263

DESCRIPTION: (Must Be Unclassified)
 Ltr in response to ACRS's report ltr of 1-10-70 & meeting w/DRL's Staff on 2-25-70...adv vibration monitoring program will utilize 8 displacement sensors ~~ENCLOSURES~~ located in the shroud flange & jump assembly area of the reactor internals...and listing specific locations of sensor instruments.....

REFERRED TO	DATE	RECEIVED BY	DATE
Muller w/4 cys for action	3-10-70		
DISTRIBUTION:			
Regulatory file AEC PDR		DTIE (Laughlin)	
Compliance (2) H. Price & Staff		NSIC (Buchanan)	
Morris/Schroeder DeYoung		OGC (Rm P 506 A)	
D. Thompson Rosen			
Moore Howe			
Dromerick (2)			

REMARKS:

DO NOT REMOVE
 ACKNOWLEDGED
 719
 fod

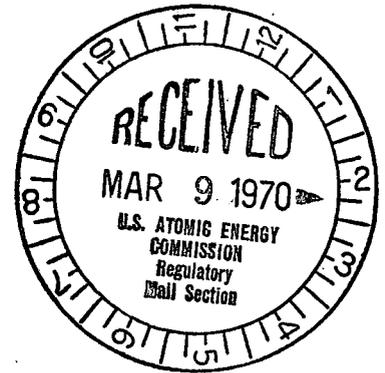
NSP

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

March 5, 1970

Dr. Peter A. Morris, Director
Division of Reactor Licensing
United States Atomic Energy Commission
Washington, D.C. 20545



Dear Dr. Morris:

MONTICELLO NUCLEAR GENERATING PLANT E-5979

Docket No. 50-263

Regulatory

File Cy.

The ACRS, as set forth in its report letter of January 10, 1970, has determined that a limited program of vibration monitoring is appropriate for the Monticello reactor during preoperational tests and initial operation. We met with members of your staff on February 25 and described the vibration monitoring program that will be undertaken in response to the ACRS request. Subsequently we were informed that the proposed program is acceptable to the DRL staff.

The vibration monitoring program for the Monticello reactor will utilize eight displacement sensors located in two areas of the reactor internals as, 1) shroud flange, and 2) jet pump assembly. The primary intent is to measure, both hot and cold, the most important vibration characteristics.

The specific locations of the sensor instruments are as follows:

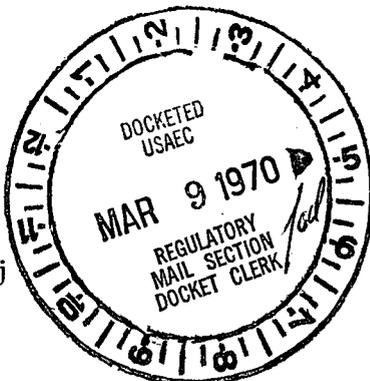
- 1) Four (4) displacement sensors located at 90° positions near the shroud flange and measuring relative motion between the shroud and the pressure vessel under hot and cold conditions.
- 2) Two (2) displacement sensors located at two individual jet pump risers and indicating tangential motion of the risers with response to the pressure vessel, measured under hot and cold conditions.
- 3) Two (2) displacement sensors on a single jet pump assembly, located on each of the two jet pump throat areas and measuring the relative radial motion between the jet pump throats and pressure vessel, under hot and cold conditions.

Installation work is proceeding for the equipment required under this program so that vibration monitoring data collection can begin during the preoperational test period.

Yours very truly,

A handwritten signature in cursive script, appearing to read "D. F. McElroy".

D. F. McElroy
Vice President - Engineering



DFM/ECW/lj

719

