

**Consumers
Power
Company**

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

March 11, 1970

Regulatory File Cv.

Re: Big Rock Point
Docket 50-155

Dr. P. A. Morris, Director
Division of Reactor Licensing
United States Atomic Energy
Commission
Washington, DC 20545

Dear Dr. Morris:

Attention: Mr. D. J. Skovholt

In response to your letter of November 6, 1969, in which you expressed concern about additional transient cycles on the Nuclear Steam Supply System if the main steam bypass valve was not operational, we have checked our records regarding loss of transmission lines which resulted in a reactor trip. We have concluded that on only two occasions in the past seven years (since plant start-up) would the bypass valve have prevented a reactor trip upon loss of outside transmission. These occurred on September 17, 1965, from a load of 74 MWe(gross), and on August 8, 1966, from a load of 40 MWe(gross). In each case, the reactor scrambled automatically with the emergency condenser limiting the pressure transient and reducing system pressure.

We cannot presume to know what frequency of transients might have been factored into the original safety evaluation, but it is our opinion that the demonstrated transmission system reliability during the first seven years of service is well within the bounds of such an evaluation.

On the other hand, the past testing on the bypass valve and the difficulties experienced with the valve have resulted in considerably more transients on the Nuclear Steam Supply System. As we stated in our letter of September 10, 1969, we believe that presently we have a reliable system, but one that will probably not prevent a reactor trip for load rejections above 50 MWe. A new 30 MWe load rejection test should permit us to evaluate the results of recent changes and predict the ultimate capability of the system as installed. We do not believe that further testing at higher power levels is warranted or desirable.

The Big Rock Point Plant is presently down for refueling and we expect to be starting up in late March. The 30 MWe load rejection test will be performed at this time.

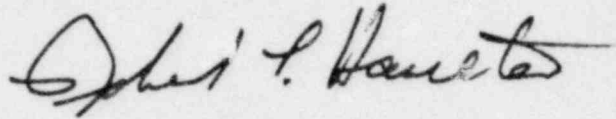
8101150666

Dr. P. A. Morris
March 11, 1970

2

We will be happy to discuss the results of this test or any other matters with you if you should so desire.

Yours very truly,



RLH/dmb

CC: GFiorelli
EJBrunner

Robert L. Haueter
Electric Production Superintendent -
Nuclear

FROM: Consumers Power Company
 Jackson, Michigan 49201
 Robert L. Hauster

DATE OF DOCUMENT 3-11-70	DATE RECEIVED 3-16-70	NO.:
LTR. <input checked="" type="checkbox"/>	MEMO:	PORT:
OTHER:		
ORIG.: 1	CC: 3	OTHER:
ACTION NECESSARY <input type="checkbox"/>	CONCURRENCE <input type="checkbox"/>	DATE ANSWERED
NO ACTION NECESSARY <input type="checkbox"/>	COMMENT <input type="checkbox"/>	BY:

TO: Donald J. Skovholt

CLASSIF: **U** POST OFFICE REG. NO:

FILE CODE: **50-155**

DESCRIPTION: (Must Be Unclassified)
 tr re: our 11-6-69 ltr...adv check of records indicated loss of transmission lines resulting in a reactor trip twice in 7 yrs..reactor scrammed automatically ~~xxxxxxx~~ w/emergency condenser limiting pressure transient & reducing system pressure.....

REFERRED TO	DATE	RECEIVED BY	DATE
Ziemann w/9 cys for action	3-16-70		
DISTRIBUTION:			
Regulatory file ←			
AEC PDR			
Compliance (2)			
OGC (Rm P 506 A)			
Dube/Levine			
Skovholt			
D. Thompson			
Boyd			
DTIE (Laughlin)			
NSIC (Buchanan)			

**DO NOT REMOVE
 ACKNOWLEDGED**

REMARKS:

fod

POGR ORIGINAL