



Consumers
Power

**POWERING
MICHIGAN'S PROGRESS**

Big Rock Point Nuclear Plant, 10269 US-31 North, Charlevoix, MI 49720

Patrick M Donnelly
Plant Manager

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Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

**DOCKET 50-155 - LICENSE DPR-6 - BIG ROCK POINT PLANT - TECHNICAL SPECIFICATION
CHANGE REQUEST - ADDITION OF A 100 SCFM AIR COMPRESSOR TO THE SERVICE AND
INSTRUMENT AIR SYSTEM.**

A request for change to the Big Rock Point Technical Specifications is enclosed. A recent modification has added a new air compressor to the service air segment of the Service and Instrument Air System. This modification was performed to increase instrument air capacity by eliminating service air demands on the three existing air compressors. The new air compressor can also be aligned to provide air to the instrument air system in the event off a loss of normal instrument air.

In accordance with 10 CFR 50.92, Consumers Power Company has made a determination that the proposed amendment involves no significant hazards considerations


Robert J Addy
Assistant Plant Manager

CC: Administrator, Region III, USNRC
NRC Resident Inspector - Big Rock Point

ATTACHMENT

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CONSUMERS POWER COMPANY
DOCKET 50-155

Request for Change to the Technical Specifications
License DPR-6

For the reasons hereinafter set forth, it is requested that the Technical Specifications contained in the Facility Operating License DPR-6, Docket 50-155, issued to Consumers Power Company on May 1, 1964, for the Big Rock Point Plant be changed as described in Section I below:

Revised Technical Specification pages are attached. Proposed changes are shown by a back-slash in the right-hand margin.

I. CHANGES

1) Revise Technical Specification 4.2.9 to read:

Service and Instrument Air System

Service and instrument air shall be supplied by three, nonlubricated air compressors, each rated at 70 scfm and *one, nonlubricated air compressor, rated at 100 scfm*. Instrument air shall also pass through a dryer.

II. DISCUSSION

Facility Change FC-648C adds a new 100 standard cubic feet per minute (scfm) air compressor to the service air portion of the Service and Instrument Air System. This addition allows the instrument air portion to be completely isolated from the service air portion of the Service and Instrument Air System. Isolation of instrument air from service air increases instrument air's available capacity by eliminating service air demands from the three (3) existing 70 scfm air compressors. Utilizing the existing piping configuration and cross-connect, both the new and the existing air compressors are capable of supporting the Service and Instrument Air System as determined necessary by the Operations Department. Air quality will be unchanged by the addition of the new air compressor regardless of how the air compressors are placed into operation. The new air compressor has similar design characteristics as the existing air compressors and the instrument air piping is essentially unchanged.

III. ANALYSIS OF NO SIGNIFICANT HAZARDS CONSIDERATION

In accordance with 10 CFR 50.92, Consumers Power Company has made a determination that the proposed amendment involves no significant hazards considerations. To make this determination, Consumers Power Company has established that operation in accordance with the proposed amendment will not : 1) involve a significant increase in the probability or consequences of an accident previously evaluated, or 2) create the possibility of a new or different kind of accident from any accident previously evaluated, or 3) involve a significant reduction in a margin of safety.

The proposed change does not:

1) Involve a significant increase in the probability or consequences of an accident previously evaluated.

Utilizing the existing piping configuration, both the new and the existing air compressors are capable of supporting either portion of the Service and Instrument Air System. The addition of the fourth air compressor will decrease the probability of an accident previously evaluated, because capacity is being added to the system.

The consequences of an accident previously evaluated will not be affected by the addition of a fourth air compressor. The Service and Instrument Air System performs the non-safety related function of providing compressed air for service use and moisture free compressed instrument air for control air demands. The instrument air portion is designed so that its operation is required for plant reliability, not plant nuclear safety. Safety-related equipment supplied by instrument air is designed to fail in its safe condition upon loss of instrument air or, safety-related equipment (and nonsafety-related equipment determined to be important to safety) required to operate subsequent to instrument air failure is supplied by backup nitrogen accumulators.

- 2) Create the possibility of a new or different kind of accident from any accident previously evaluated.

The operation of the equipment in the Service and Instrument Air System is essentially unchanged. The new air compressor is a similar design (nonlubricated), providing additional air volume at a quality comparable to the three existing air compressors. Therefore, the possibility of an accident of a different kind than any previously evaluated has not been created.

- 3) Involve a significant reduction in a margin of safety

The Technical Specification does not specify a margin of safety for the operation of the Service and Instrument Air System, other than specifying that "service and instrument air shall be supplied by three, nonlubricated air compressors, each rated at 70 scfm. Instrument air shall also pass through a dryer". Addition of a fourth air compressor will increase the available capacity, thus increasing the margin of safety. Therefore, adding the statement "and one, nonlubricated air compressor rated at 100 scfm" to Technical Specification 4.2.9. will not reduce the margin of safety.

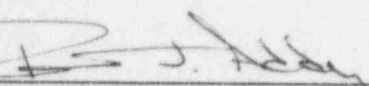
IV. CONCLUSION

The Big Rock Point Plant Review Committee has reviewed this Technical Specification Change Request and has determined this change does not involve an unreviewed safety question and, therefore, involves no significant hazards consideration. This change has been reviewed by the Nuclear Performance Assessment Department. A copy of this change request has been sent to the State of Michigan official designated to receive such Amendments to the Operating License.

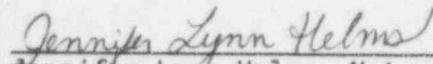
CONSUMERS POWER COMPANY

To the best of my knowledge, information and belief, the contents of this
submittal are truthful and complete.

By


Robert J Addy
Assistant Plant Manger

Sworn and subscribed to before me this 7th day of November 1996.


Jennifer Lynn Helms, Notary Public
Charlevoix County, Michigan

My commission expires August 29, 1999.

(Seal)