



UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

SUPPLEMENTAL
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IN REPLY REFER TO:

OCT 28 1966

Docket No. 50-155

Consumers Power Company
212 West Michigan Avenue
Jackson, Michigan 49201

Attention: Mr. Robert L. Haueter

Change No. 11

Gentlemen:

This refers to your request, received September 8, 1966, for authorization, pursuant to Section 50.59, 10 CFR 50, of proposed Change No. 11 to the Technical Specifications of License No. DPR-6 issued to Consumers Power Company on May 1, 1964, for the Big Rock Point Nuclear Plant. The proposed change would allow the use of scintillation detectors (as presently authorized) or ion chambers in the air ejector off-gas monitoring system.

We have reviewed the proposed change and found that it does not present significant hazards considerations not described or implicit in the hazards summary report, and that there is reasonable assurance that the health and safety of the public will not be endangered. Accordingly, Section 6.4.1(a) of the Technical Specifications is deleted and replaced with a new Section 6.4.1(a) as follows:

"(a) Air Ejector Off-Gas Monitoring System

Continuous monitoring of the air ejector off-gas radioactivity shall be provided by either two ion chamber type systems or two single-channel gamma scintillation spectrometer systems designed to detect noble gas fission products indicative of a fuel element rupture. One system (either ion chamber or scintillation detector) will always be in service with an identical system as an operational spare. The sampling system shall be designed to hold up the gas sample to allow time for the decay of Nitrogen-16 and other short-lived activation gases. The off-gas monitoring channels shall be calibrated so that the indicated and recorded count rate output of the channel in service, combined with the off-gas flow, permit

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determination of the fission gases discharge rate from 10^{-4} to 10 curies per second at the stack. A trip circuit in the air ejector off-gas monitor shall have an alarm which shall annunciate in the control room. The air ejector off-gas monitor trip circuit shall also initiate action of a time-delay switch, which in turn shall trip the off-gas shutoff valve closed after a preselected delay adjustable up to 15 minutes. Alarm and trip settings shall be as specified in Section 6.4.3(a)."

A copy of the related Safety Evaluation by the Research and Power Reactor Safety Branch is enclosed.

Sincerely yours,

ORIGINAL SIGNED BY
Peter A. Morris

Peter A. Morris, Director
Division of Reactor Licensing

Enclosure:
AEC Safety Evaluation

See attached sheet for other concurrences.

DRL
JShea/dj
10/21/66

OGC

DRL
RSBoyd
10/27/66

DRL
ECCase
10/27/66

DRL
PAM
FAMorris
10/27/66

determination of the fission gases discharge rate from 10⁻⁴ to 10 curies per second at the stack. A trip circuit in the air ejector off-gas monitor shall have an alarm which shall annunciate in the control room. The air ejector off-gas monitor trip circuit shall also initiate action of a time-delay switch, which in turn shall trip the off-gas shutoff valve closed after a preselected delay adjustable up to 15 minutes. Alarm and trip settings shall be as specified in Section 6.4.3(a)."

A copy of the related Safety Evaluation by the Research and Power Reactor Branch is enclosed.

Sincerely yours,

Peter A. Morris, Director
Division of Reactor Licensing

Enclosure:
AEC Safety Evaluation

Distribution

- Doc. Room
- Formal
- Suppl. ←
- DRL Reading
- R&PRSB Reading
- Orig: JShea
- C. Henderson
- E. G. Case
- H. Shapar
- L. Kornblith (2)
- N. Stoner (5)
- R. Huard
- G. Page
- D. Skovholt
- H. Steele
- B. Grimes

- bcc: H. J. McAlduff, ORO
- E. Tremmel, IP
- R. Leith, OC
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