

Docket No. 50-305

DEC 4 1972

J. M. Hendrie, Deputy Director for Technical Review, L

TECHNICAL ASSISTANCE REQUEST

Your assistance is requested in evaluating the power range sustained flux rate trips which have been incorporated as part of the Kewaunee reactor protection system. The following information is provided:

Plant Name: Kewaunee Nuclear Power Plant
 Licensing Status: OL
 Docket Number: 50-305
 Responsible Branch and Project Manager: PWR-2 L. Crocker (X7407)
 Technical Review Branch Involved: Electrical, Instrumentation and Control Systems Branch
 Target Date for Completion: December 15, 1972

The original rod drop protection for Kewaunee has been replaced by a power range negative sustained flux rate trip. The new system also provides a positive sustained flux rate trip to provide protection against a rod ejection accident. The system is described on pages 7.2-21 through 7.2-21b of the Kewaunee FSAR. Similar systems are being installed on other Westinghouse plants.

Needed is an evaluation of the adequacy of the new system to provide protection in the event of dropped or ejected rods.

Original signed by Karl DeYoung for

R. C. DeYoung, Assistant Director for Pressurized Water Reactors Directorate of Licensing

- cc: D. Comey
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- H. Denton
- W. McDonald
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- M. Rosen
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- R. S. Boyd
- R. C. DeYoung
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- Docket file ✓
- RP Reading
- PWR-2 Reading
- L. Crocker
- M. Service

TR Branch Chief

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|-----------|-------------------|---------------------------|---------------------|-----------------------------|-------------|
| OFFICE ▶ | PWR Branch Chiefs | PWR-2 | PWR-2 | AD/PWRs | <i>Memo</i> |
| SURNAME ▶ | | <i>MLC</i> LCrocker:bn | <i>KK</i> KKniel | <i>KRG/for</i> RCDeYoung | |
| DATE ▶ | | 12/1/72 | 12/3/72 | 12/4/72 | |