



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555
December 1, 1988

MEMORANDUM FOR: Sholly Coordinator

FROM: Janice A. Stevens, Project Manager
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects

SUBJECT: REQUEST FOR PUBLICATION IN BI-WEEKLY FR NOTICE - NOTICE
OF CONSIDERATION OF ISSUANCE OF AMENDMENT TO FACILITY
OPERATING LICENSE AND PROPOSED NO SIGNIFICANT HAZARDS
CONSIDERATION DETERMINATION AND OPPORTUNITY FOR A HEARING
(TAC 67163)

Illinois Power Company, Soyland Power Cooperative, Inc., Western Illinois
Power Cooperative, Inc., Docket No. 50-461, Clinton Power Station, Unit No. 1,
DeWitt County, Illinois

Date of amendment request: February 5, 1988

Description of amendment request: This proposed amendment to the Clinton
Power Station Technical Specifications would delete Note (h) attached to the
CHANNEL CHECK requirement for the Average Power Range Monitor (APRM)
Flow-Biased Simulated Thermal Power-High scram function identified as Item 2.b
on Table 4.3.1.1-1. On the basis of the licensees' discussions with GE and
other utilities, it appears that the following concerns and/or events may have
been considered when the note was originally incorporated in the Technical
Specifications:

- (1) Flow control valve fouling
- (2) Jet pump beam cracking phenomenon
- (3) Jet pump blockage
- (4) Core fouling
- (5) Instrumentation problem

The ACTION specified per the associated Limiting Condition for Operation (3.4.1.2) ensures that the plant will be placed in a safe condition if any of the phenomena discussed above occur. Therefore, the licensees believe that a requirement like Note (h) should not be included in the RPS instrumentation Technical Specification because the concerns described above do not require it in view of the requirements already contained in Specification 3/4.4.1.2 and in view of the other existing requirements specified for the APRMs.

Basis for proposed no significant hazards consideration determination: The staff has evaluated this proposed amendment and determined that it involves no significant hazards considerations. According to 10 CFR 50.92(c), a proposed amendment to an operating license involves no significant hazards consideration if operation of the facility in accordance with the amendment would 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 kinds of accident from any accident previously evaluated; or
- (3) Involve a significant reduction in a margin of safety.

The proposed change to the CPS Technical Specifications does not involve a significant increase in the probability or consequences of an accident previously evaluated (with respect to the fuel cladding safety limits) because the proposed change only removes a requirement determined to be redundant to existing requirements and/or have no meaningful value from a safety point of view. Deviations or trends away from established core-flow/drive-flow

conditions (m-ratio) will be indicated by performance of the surveillance required under Specification 3/4.4.1.1.

The proposed change does not create the possibility of a new or different kind of accident from any previously evaluated because no new modes of operation or changes to plant design are involved. The scope of the proposed change is strictly limited to the deletion of the requirement specified by Note (h) which has been determined to involve no significant change to existing surveillances.

The proposed change does not involve a significant reduction in a margin of safety because the relationships (under Specification 3.2.2) used to establish the APRM Flow-Biased Simulated Thermal Power-High scram and Flow-Biased Neutron Flux-Upscale control rod block trip setpoints will remain unchanged. The APRM-indicated recirculation loop drive flows will continue to be appropriately checked to ensure that their established relationship to total core flow is preserved or accounted for under other Technical Specifications. All other OPERABILITY and surveillance requirements associated with the affected instrumentation remain unchanged.

For the reasons stated above, the staff believes this proposed amendment involves no significant hazards consideration.

Local Public Document Room location: Vespasian Warner Public Library, 120 West Johnson Street, Clinton, Illinois 61727

Skolly Coordinator

- 4 -

Attorney for licensee: Sheldon Zabel, Esq., Schiff, Hardin and Waite, 7200

Sears Tower, 233 Wacker Drive, Chicago, Illinois 60606

NRC Project Director: Daniel R. Muller

Janice A. Stevens

Janice A. Stevens, Project Manager
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects

December 1, 1988

Sholly Coordinator

- 4 -

Attorney for licensee: Sheldon Zabel, Esq., Schiff, Hardin and Waite, 7200

Sears Tower, 233 Wacker Drive, Chicago, Illinois 60606

NRC Project Director: Daniel R. Muller

151

Janice A. Stevens, Project Manager
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects

DISTRIBUTION:

- Docket file ✓
- NRC & Local PDRs
- PDIII-2 r/f
- GHolahan
- MVirgilio
- DMuller
- LLuther
- Plant file
- JStevens

PDIII-2 *JAS*
JStevens: km
12/30/88

PDIII-2 *LL*
LLuther
12/01/88

PDIII-2 *DM*
DMuller
12/1/88

December 1, 1988

Sholly Coordinator

- 4 -

Attorney for licensee: Sheldon Zabel, Esq., Schiff, Hardin and Waite, 7200
Sears Tower, 233 Wacker Drive, Chicago, Illinois 60606

NRC Project Director: Daniel R. Muller

151

Janice A. Stevens, Project Manager
Project Directorate III-2
Division of Reactor Projects - III,
IV, V and Special Projects

DISTRIBUTION:

Docket file
NRC & Local PDRs
PDIII-2 r/f
GHolahan
MVirgilio
DMuller
LLuther
Plant file
JStevens

PDIII-2 *JS*
JStevens:km
12/30/88

PDIII-2 *LL*
LLuther
12/01/88

PDIII-2 *DM*
DMuller
12/1/88