

MAY 28 1974

Iowa Electric Light and Power Co. - 2 -

"From and after the date that the HPCI subsystem is made or found to be inoperable for any reason, continued reactor operation is permissible only during the succeeding 11 days ..."

This temporary change expires at 6:00 A.M. on June 2, 1974, when the HPCI subsystem becomes operable or when the reactor is shutdown, which ever first occurs. Following expiration of this temporary change, Technical Specification 3.5.D.2 shall read as it did prior to May 28, 1974.

Sincerely,

Original Signed By
R. C. DeYoung

R. C. DeYoung, Assistant Director
for Light Water Reactors Group 1
Directorate of Licensing

Enclosures:

- 1. Amendment No. 3 - DPR-39
- 2. Safety Evaluation
- 3. Federal Register Notice

cc w/enclosures:

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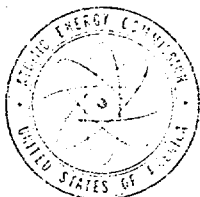
OFFICE	L: LWR 1-2	L: LWR 1-2	OGC	L: LWR 1-2		
SURNAME	GO: sgh	WRButler		R: DeYoung		
DATE	5/28/74	5/28/74	5/28/74	5/28/74		

MAY 28 1974

Distribution:

Docket Files
AEC PDR
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LWR 1-2 Files
WPaton, CGC
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LWR 1 and 2 Branch Chiefs
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A. Rosenthal, ASLAP
MGGoodrich, ASLEP

OFFICE						
SURNAME						
DATE						



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

IOWA ELECTRIC LIGHT AND POWER COMPANY

CENTRAL IOWA POWER COOPERATIVE

CORN BELT POWER COOPERATIVE

DOCKET NO. 50-331

AMENDMENT TO FACILITY OPERATING LICENSE

AMENDMENT NO. 3
LICENSE NO. DPR-49

1. The Atomic Energy Commission (the Commission) having found that:
 - A. The application for amendment by Iowa Electric Light and Power Company, Central Iowa Power Cooperative and Corn Belt Power Cooperative (the licensees) dated May 28, 1974, complies with the standards and requirements of the Atomic Energy Act of 1954, as amended, and the Commission's rules and regulations set forth in 10 CFR Chapter I;
 - B. The facility will operate in conformity with the license, the provisions of the Act, and the rules and regulations of the Commission;
 - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
 - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
 - E. Prior public notice of this amendment is not required since the amendment does not involve a significant hazards consideration.
2. Accordingly, Facility Operating License No. DPR-49 issued to Iowa Electric Light and Power Company, Central Iowa Power Cooperative and Corn Belt Power Cooperative is hereby amended by changing Technical Specification 3.5.D.2 as follows:

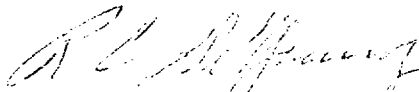
"From and after the date that the HPCI subsystem is made or found to be inoperable for any reason, continued reactor operation is permissible only during the succeeding 11 days ..."

This amendment is effective as of the date of issuance and expires at 6:00 A.M. on June 2, 1974, when the HPCI subsystem becomes operable or when the reactor is shut down, whichever occurs first.

Following expiration of this temporary change, Technical Specification 3.5.D.2 shall read as follows:

"From and after the date that the HPCI subsystem is made or found to be inoperable for any reason, continued reactor operation is permissible only during the succeeding 7 days ..."

FOR THE ATOMIC ENERGY COMMISSION



R. G. DeYoung, Assistant Director
for Light Water Reactors Group 1
Directorate of Licensing

Date of Issuance: 12 28 1973

MAY 28 1974

SAFETY EVALUATION BY THE DIRECTORATE OF LICENSING

SUPPORTING AMENDMENT NO. 3 TO DPR-49

(CHANGE NO. 4 - APPENDIX A OF TECHNICAL SPECIFICATIONS)

IOWA ELECTRIC LIGHT AND POWER COMPANY

CENTRAL IOWA POWER COOPERATIVE

CORN BELT POWER COOPERATIVE

DUANE ARNOLD ENERGY CENTER

DOCKET NO. 50-331

Introduction

By phone call and letter dated May 28, 1974, Iowa Electric Light and Power Company (IE) requested an extension of 4 days to the existing 7 days time period (total time - 11 days) that operation of the Duane Arnold Energy Center (DAEC) can continue after the HPCI Subsystem is made or found to be inoperable for any reason. (Section 3.5.D.2 of the DAEC Radiological Technical Specifications). This time extension permits the DAEC to continue operation at 25 per cent thermal power (approximately 100 MWe) and carry out the standard 25 per cent testing program. The HPCI became inoperable at 6:30 A.M., May 22, 1974.

Discussion

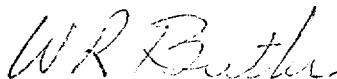
During the HPCI test program on May 22, 1974, at rated temperature and pressure conditions, the HPCI governor failed, resulting in HPCI turbine overspeed. Subsequently the turbine has required extensive maintenance to repair the damage. By May 28, 1974, IE reported that the HPCI was nearly ready for return to service, but difficulties in accessibility during operation delayed return of the HPCI to an operable status. Since the HPCI was found to be inoperable, daily testing of the RCIC, LPCI, Core Spray, and the ADS Subsystems were made in compliance with Section 3.5.D.2 and 4.5.D.2 of the Technical Specification. All other ECCS Subsystems have been found to function normally. The DAEC 25 per cent power tests are scheduled to be completed by June 2, 1974, following which the reactor will be shut down in preparation for proceeding to the 50 per cent power level. We believe that continued operation during this additional period with the HPCI inoperable, does not present a significant hazards consideration; particularly, considering that the ADS and LPCI Subsystems are operable and provide redundant safety protection to the HPCI.

- 2 -

Based on our review, having found that the proposed temporary change to Technical Specification 3.5.D.2, as defined in our May 28, 1974, letter to the licensee, does not involve a safety consideration of a type or magnitude not considered by any previous staff safety review of that facility, substantial increase in the probability or consequences of an accident considered in any previous staff safety review or a substantial decrease in the margin of safety during normal plant operation, anticipated operational occurrences or postulated accidents considered in any previous staff safety review, we conclude that this change to the DAEC Technical Specifications does not involve significant hazards consideration and that there is reasonable assurance that the health and safety of the public will not be endangered by operation of the DAEC in accordance with this change.



G. F. Owsley, Project Manager
Light Water Reactors Branch 1-2
Directorate of Licensing



W. R. Butler, Chief
Light Water Reactors Branch 1-2
Directorate of Licensing

UNITED STATES ATOMIC ENERGY COMMISSION

DOCKET NO. 50-331

IOWA ELECTRIC LIGHT AND POWER COMPANY

CENTRAL IOWA POWER COOPERATIVE

CORN BELT POWER COOPERATIVE

NOTICE OF ISSUANCE OF FACILITY LICENSE AMENDMENT

Notice is hereby given that the U. S. Atomic Energy Commission (the Commission) has issued Amendment No. 3 to Facility Operating License No. DPR-49 issued to Iowa Electric Light and Power Company, Central Iowa Power Cooperative and Corn Belt Power Cooperative, which revised Technical Specifications for operation of the Duane Arnold Energy Center, located near Palo in Linn County, Iowa. The amendment is effective as of its date of issuance.

The amendment permits a temporary time extension for reactor operation with the High Pressure Core Injection Subsystem of the Emergency Core Coolant System inoperable.

The application for the amendment complies with the standards and requirements of the Act and the Commission's rules and regulations and the Commission has made appropriate findings as required by the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations in 10 CFR Chapter 1, which are set forth in the license amendment.

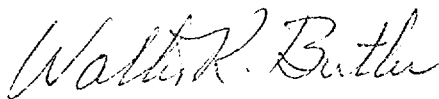
For further details with respect to this action, see (1) the application for amendment, dated May 28, 1974, (2) Amendment No. 3 to License No. DPR-49, and (3) the Commission's related Safety Evaluation, dated May 28, 1974. All of these are available for public inspection at the

Commission's Public Document Room, 1717 'H' Street, N.W., Washington, D.C.
and at the Reference Service, Cedar Rapids Public Library, 426 Third
Avenue, S.E., Cedar Rapids, Iowa 52401.

A copy of items (2) and (3) may be obtained upon request addressed
to the United States Atomic Energy Commission, Washington, D.C., 20545,
Attention: Deputy Director for Reactor Projects, Directorate of
Licensing - Regulation.

Dated at Bethesda, Maryland, this 28th day of May, 1974.

FOR THE ATOMIC ENERGY COMMISSION



Walter R. Butler, Chief
Light Water Reactors Projects Branch 1-2
Directorate of Licensing