

PROPOSED CHANGE RTS-248 TO THE DUANE ARNOLD ENERGY CENTER
TECHNICAL SPECIFICATIONS

The holders of license DPR-49 for the Duane Arnold Energy Center propose to amend Appendix A (Technical Specifications) to said license by deleting a certain current page and replacing it with the attached, new page. The List of Affected Pages is given below.

LIST OF AFFECTED PAGES

3.2-5a

SUMMARY OF CHANGES:

The following list of proposed changes is in the order that the changes appear in the Technical Specifications.

<u>Page</u>	<u>Description of Changes</u>
3.2-5a	Incorporates operability requirements for high ambient temperature monitoring instrumentation in the RWCU area near the TIP Room.

TABLE 3.2-A

INSTRUMENTATION THAT INITIATES PRIMARY CONTAINMENT ISOLATION (continued)

Minimum No. of Operable Instrument Channels Per Trip System(1)	Instrument	Trip Level Setting	Number of Instrument Channels Provided by Design	Valve Groups Operated by Signal	Action(2)
1	Reactor Cleanup Area Ambient High Temperature	130°F	3	5	D
1	Reactor Cleanup Area Differential High Temperature	$\Delta 14^{\circ}\text{F}^*$	3	5	D
1	Reactor Cleanup Area Near TIP Room Ambient High Temperature	$\leq 111.5^{\circ}\text{F}$	2	5	D
2	Loss of Main Condensor Vacuum	≤ 10 in Hg Vacuum	4	1	B
2	Reactor Low-Low Water Level	$\geq +119.5''$ indicated level (3)	4	8	A

*Note: The actual setpoint shall be 14°F above the 100% operation ambient temperature conditions as determined by DAEC Plant Test Procedure.

ENVIRONMENTAL CONSIDERATION

10 CFR 51.22 (c)(9) identifies certain licensing and regulatory actions which are eligible for categorical exclusion from the requirement to perform an environmental assessment. A proposed amendment to an operating license for a facility requires no environmental assessment if operation of the facility in accordance with the proposed amendment would not: (1) involve a significant hazards consideration; (2) result in a significant change in the types or significant increase in the amounts of any effluents that may be released offsite; and (3) result in a significant increase in individual or cumulative occupational radiation exposure. Iowa Electric Light and Power has reviewed this request and determined that the proposed amendment meets the criteria for categorical exclusion set forth in 10 CFR 51.22 (c)(9). Pursuant to 10 CFR 51.22 (b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of the amendment. The basis for this determination follows:

Basis:

The change meets the criteria for categorical exclusion set forth in 10 CFR 51.22 (c)(9) for the following reasons:

1. As demonstrated in Attachment 1, the proposed amendment does not involve a significant hazards consideration.
2. The proposed amendment will ensure that newly installed leak detection instrumentation is available to provide timely detection and isolation of a leak in the Reactor Water Cleanup system piping. Therefore, the proposed amendment will not result in a significant change in the types or a significant increase in the amounts of any effluents that may be released offsite.
3. The proposed operability requirements for newly installed leak detection instrumentation will not result in an increase in individual or cumulative occupational radiation exposure.

SAFETY ASSESSMENTIntroduction:

By letter dated August 22, 1992, Iowa Electric Light and Power Company (IELP) submitted a request for revision of the Technical Specifications, Appendix A to Operating License No. DPR-49 for the Duane Arnold Energy Center (DAEC). The proposed change would incorporate requirements for Reactor Water Cleanup (RWCU) leak detection instrumentation installed during the 1992 refueling outage.

Evaluation:

During an internal review, Iowa Electric identified a concern with regard to leak detection instrumentation for a specific portion of the Reactor Water Cleanup (RWCU) system piping. Specifically, it was determined that additional leak detection instrumentation was needed for a 50 foot section of the four (4) inch RWCU return line which is routed through an area on the first floor of the Reactor Building.

Iowa Electric has installed four (4) dual element thermocouples to allow for detection of leaks along the entire run of the RWCU return piping. The thermocouple pairs will operate identically to those of the existing ambient temperature monitoring equipment for the RWCU system. The associated temperature switches will provide redundant signals to the Division I and Division II of the Primary Containment Isolation System (PCIS) logic and initiate automatic closure of the RWCU system isolation valves.

The trip setting for the new instrumentation is low enough to detect a minimal leak in the subject piping and high enough to avoid spurious isolations of the system. The " \leq " notation is provided to ensure that this setpoint is conservatively adjusted. Surveillance requirements for the new instrumentation will be addressed by the existing requirements in Table 4.2-A, Item 9, for Reactor Cleanup Area High Temperature.

Based on the above evaluation, we conclude that the proposed Technical Specification change is acceptable.