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ACRS-10

APR 19 1982

Docket No. 50-331

Mr. Duane Arnold, President
Iowa Electric Light and Power Company
P. O. Box 351
Cedar Rapids, Iowa 52406

Dear Mr. Arnold:

Subject: NUREG-0737 Item III.D.3.4, Control Room Habitability

Re: Duane Arnold Energy Center

We have completed our review of your letters of December 31, 1980 and March 24, 1982 on the above subject. As discussed in more detail in the enclosed Safety Evaluation, we have concluded that your responses to this NUREG item are acceptable. In addition, we accept your proposed schedule to install a sodium hypochlorite system and eliminate onsite storage of chlorine gas by January 1, 1983.

The issuance of this letter and Safety Evaluation resolves the technical and scheduler aspects of NUREG-0737 Item III.D.3.4, and completes our review of this item for the Duane Arnold Energy Center.

Sincerely,

ORIGINAL SIGNED BY

Domenic B. Vassallo, Chief
Operating Reactors Branch #2
Division of Licensing

Enclosure:
Safety Evaluation

cc: See next page

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DATE	4/19/82	4/19/82	4/19/82			

Mr. Duane Arnold
Iowa Electric Light & Power Company

cc:

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

NUREG-0737 ITEM NO. III.D.3.4

"CONTROL ROOM HABITABILITY"

DUANE ARNOLD ENERGY CENTER

DOCKET NO. 50-331

Author: H. Krug

Position

In accordance with Task Action Plan Item III.D.3.4, "Control Room Habitability, licensees shall assure that control room operators will be adequately protected against the effects of accidental release of toxic and radioactive gases and that the nuclear power plant can be safely operated or shutdown under design basis accident conditions (Criterion 19, "Control Room," of Appendix A, "General Design Criteria for Nuclear Power Plants," to 10 CFR Part 50).

Staff Evaluation

In response to the requirements of the Task Action Plan as promulgated in NUREG-0737, the Iowa Electric Light and Power Company (licensee) submitted a response to Item III.D.3.4 dated December 31, 1980. In its submittal, the licensee reaffirmed the adequacy of the control room with respect to radiological hazards. This affirmation is congruent with previous staff conclusions. With respect to toxic chemicals, the licensee identified onsite chlorine as a hazard and indicated that automatic detection and isolation for chlorine would be considered. Subsequently, the licensee committed to remove the chlorine from the site and use sodium hypochlorite instead of chlorine where needed, thereby obviating the need for automatic detection and isolation for chlorine gas.