

November 12, 1996

Mr. Lee Liu
Chairman of the Board, President,
and Chief Executive Officer
IES Utilities Inc.
200 First Street, S.E.
Cedar Rapids, IA 52406-0351

SUBJECT: DUANE ARNOLD ENERGY CENTER - INDIVIDUAL PLANT EXAMINATION (IPE)
SUBMITTAL - INTERNAL EVENTS (TAC NO. M74407)

Dear Mr. Liu:

By submittal dated November 30, 1992, IES Utilities Inc. (IES) submitted the Duane Arnold Energy Center (DAEC) IPE for internal events and internal flooding in response to Generic Letter 88-20, Supplement 1. Enclosed is our evaluation of this submittal. Our evaluation package consists of (1) a staff evaluation (SE) (Enclosure 1), and (2) contractor technical evaluation reports (TERs) for the front-end analysis, the human reliability analysis, and the back-end analysis (Enclosures 2, 3, and 4, respectively). Our review examined the DAEC IPE submittal and associated documentation, which included the IPE summary report for the DAEC probabilistic risk assessment and IES's responses to staff questions. The only specific unresolved safety issue or generic safety issue proposed for resolution as part of the DAEC IPE was decay heat removal (A-45).

The staff has concluded that IES' IPE submittal for internal events, including internal flooding, is complete; the level of detail is consistent with the information requested in NUREG-1335, and the IPE results are reasonable, given the DAEC design, operation, and history. Based on our review of the submittal and the associated supporting information, the staff concludes that IES' IPE process is capable of identifying the most likely severe accidents and severe accident vulnerabilities, and therefore, the DAEC IPE has met the intent of Generic Letter 88-20. We consider TAC No. M74407 complete. If you have any questions, please call me at (301) 415-3028.

Sincerely,
Original signed by:
Glenn B. Kelly, Senior Project Manager
Project Directorate III-3
Division of Reactor Projects III/IV
Office of Nuclear Reactor Regulation

Docket No. 50-331

- Enclosures: 1. Staff Evaluation
2. TER (Front-End Analysis)
3. TER (Human Reliability Analysis)
4. TER (Back-End Analysis)

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UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

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Sincerely,

A handwritten signature in cursive script, appearing to read "Glenn B. Kelly".

Glenn B. Kelly, Senior Project Manager
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Mr. Lee Liu
IES Utilities Inc.

Duane Arnold Energy Center

cc:

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