

Iowa Electric Light and Power Company

August 5, 1983
NG-83-2346

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431-88-022

Box 36

Mr. Harold Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Duane Arnold Energy Center
Docket No: 50-331
Op. License No: DPR-49
Scram Discharge Volume Tests

Dear Mr. Denton:

This letter is provided in response to NRC IEB 80-17. Our letters of January 14, 1981 (LDR-81-28) and May 14, 1981 (LDR-81-176) provided commitments to modify the Scram Discharge Volume Design (SDV). IEB 80-17, Supplement 1, Item A.5, required that every BWR licensee implement a "daily monitoring of water levels in all scram discharge volumes until continuous monitoring system(s) (discussed in B.1 below) is (are) installed." IEB 80-17, Supplement 3, Item 2, required that every BWR licensee implement a functional test of the instrument volume level alarm, rod block and scram switches after each event "until modifications in addition to Item B.1 of IEB 80-17 Supplement No. 1 are completed to substantially increase reliability of water level indication in the scram discharge volume(s)."

Iowa Electric Light and Power has implemented design changes to meet these requirements. A summary of these changes follows:

- (1) New thermally activated liquid level sensors have been added to compliment the current float sensors.
- (2) The instrument lines have been moved from the vent and drain lines to the instrument volume to provide more accurate readings.
- (3) An additional set of vent and drain valves have been added.
- (4) Each sensor now has its own instrument line.
- (5) Separate computer logging has been added for SDV and rod block level status to more closely monitor each sensor and predict any malfunction trends.

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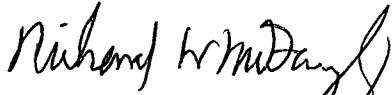
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Mr. Harold Denton
August 5, 1983
NG-83-2346
Page Two

Pursuant to the guidelines of IEB 80-17 we have met and exceeded the criteria and will presently discontinue the daily monitoring of the SDV water volume, and functional testing of the instrument volume level alarm, rod block and scram switches.

If you have any questions or comments please contact this office.

Very truly yours,



Richard W. McGaughy
Manager, Nuclear Division

RWM/JC/dmh*

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Commitment Control No. 82A-022