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Gentlemen:

Your cooperation concerning this matter is appreciated.

John G. Davis, Deputy Director
for Field Operations
Directorate of Regulatory Operations

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IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office
CEDAR RAPIDS, IOWA

January 16, 1974

C. W. SANDFORD
VICE PRESIDENT

Dr. Donald Knuth
Directorate of Regulatory Operations
U. S. Atomic Energy Commission
Washington, D. C. 20036

50-331

Re: Duane Arnold Energy Center #1
Subject: Pins Found in Hangers After 1000 PSIG Hydro
File: Q-621

Dear Dr. Knuth:

This interim report is to provide additional information to that reported by phone to your Region III office on November 5, 1973 regarding the discovery of pins in hangers in the drywell upon completion of the 1000 psig hydrostatic test of the reactor vessel and its primary systems. This subject was mistakenly identified as an Abnormal Occurrence and reported on November 14, 1973 in DAEC-73-243.

An inspection during October 1973 by Bechtel QA personnel and IE QA personnel had verified that the pins had been removed from the hangers associated with the reactor recirculation system. On November 2, 1973 at approximately 1000 hours a Bechtel QA Engineer performed a surveillance walk-through of the drywell. He does not recall seeing pins in the hangers in question at that time. Construction activities in the drywell continued until noon on November 3, 1973 when all personnel were cleared and positive access control was established in preparation for the 1000 psig hydro test.

On November 5, 1973, following the test while performing a similar walk-through, the same Bechtel QA Engineer noted unauthorized pins in hangers HA-1, HB-1 and HB-2 associated with the reactor recirculation system. Among others, IE plant personnel who had been in charge of the test were notified. IE plant personnel removed hanger pins and bolts, used as hanger pins, from the three hangers.

A preliminary analysis at 1000 psig and 200°F indicated that if allowed to expand under normal conditions the pipe movement would have been only one-eighth of an inch. Upon examination no deformation was noted on the hanger pins or bolt threads.

Dr. Donald Knuth

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January 16, 1974

An analysis of the effect of the situation has also been requested from the Nuclear Steam Supply System Supplier and you will be furnished a summary when available.

On subsequent system tests, Iowa Electric will establish and maintain stricter access control following final inspection walk-throughs to reduce the possibility of reoccurrence.

Very truly yours,



C. W. Sandford
Executive Vice President

CWS:ar

c.c. Mr. L. D. Root
Mr. J. A. Wallace
Mr. G. G. Hunt
Mr. J. N. Ward
Mr. G. A. Cook
Mr. J. R. Newman
Mr. L. E. Rosetta
Mr. C. S. Darrow
Mr. J. G. Keppler