

50-331

Iowa Electric Light and Power Company
April 18, 1980
LDR-80-107

LARRY D. ROOT
ASSISTANT VICE PRESIDENT
NUCLEAR GENERATION

Mr. James G. Keppler, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137

Subject: BWR Jet Pump Assembly Failure
Reference: IE Bulletin No. 80-07
File: A-101a, Bulletin 80-07

Dear Mr. Keppler:

This letter is in response to the subject bulletin concerning cracking in BWR jet pump hold-down beam assemblies. We have reviewed the bulletin and have taken the following actions:

1. Using General Electric procedure TP-503.0654, revision A, GE personnel conducted a UT examination of all jet pump hold-down beams commencing on 3-31-80 and ending on 4-4-80. A TV camera was used to assist in completing this examination. No evidence of abnormalities was found. No defects were found in any of the hold-down beams.
2. STP 42A001, "Daily and Shift Instrument Checks", has been modified to require the individual jet pump differential pressure readings be recorded daily and following a recirculation pump start. Data obtained will be used to develop a pump performance curve for each jet pump. Once this is done a change to the STP will be made to require an evaluation be made should the diffuser to lower plenum differential pressure reading for an individual jet pump exceed the expected value for the core flow at which the reactor is being operated. Further changes to this STP will be made to require evaluation if recirculation pump flow differs by more than 10% from established speed-flow characteristics for that pump once sufficient data has been gathered to produce an accurate pump curve.

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OI-64, "Reactor Recirculation System" has been modified to require the jet pump data be recorded on STP 42A001 following each recirculation pump start.

In order to satisfy what we believe to be the intent of item B.2.b.2, STP BS-5, "Control Room Panel Shift Check List," has been modified to require an evaluation be made if unexplained changes in total core flow occur.

An Operating Order will be implemented which emphasizes the above changes. This Operating Order will also provide operators with instructions to be used for identifying jet pump failures.

3. The appropriate Technical Specification section will be complied with if it is determined a jet pump is inoperable.

This response is true and accurate to the best of my knowledge and belief.

IOWA ELECTRIC LIGHT AND POWER COMPANY

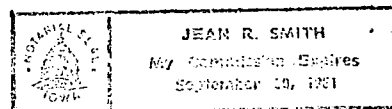
By: Larry D. Root
Larry D. Root
Assistant Vice President
Nuclear Generation

LDR/JVS/n

Subscribed and sworn to before me on this 18th day of
April, 1980.

Jean R. Smith
Notary Public in and for the
State of Iowa

cc: U.S. Nuclear Regulatory Commission
Office of Inspection and Enforcement
Division of Reactor Operations Inspection
Washington, D. C. 20555



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