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## Iowa Electric Light and Power Company

September 15, 1982  
LDR-82-212LARRY D. ROOT  
ASSISTANT VICE PRESIDENT  
NUCLEAR GENERATION

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Mr. James G. Keppler  
Regional Administrator  
Region III  
U. S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

Subject: Ultrasonic Examination of Recirculation  
System Riser N2C, Weld J4

Reference: Iowa Electric Letter LDR-81-150, dated  
April 24, 1981, L. Root to J. Keppler

Dear Mr. Keppler:

The purpose of this letter is to provide you with the results of Iowa Electric's ultrasonic examinations of the indication at the J4 Weld on riser N2C of the recirculation system at the Duane Arnold Energy Center, and our future plans for monitoring this indication. The letter referenced above provides past information on this topic.

The subject J4 weld has been examined four times since the Safe End repair was initiated (i.e., during the Safe End repair of 1978, and in May 1981, October 1981, and April 1982). The indication was not detected by the examination performed during the Safe End repair of 1978. Since being detected during the May 1981 examination, the indication has remained unchanged. Therefore, since the results of these examinations have shown no growth in the indication, Iowa Electric plans to examine the riser at this location during each refueling outage, starting with the forthcoming Cycle 6 to Cycle 7 refueling outage.

In addition, a temporary acoustic leak detection system was installed in October 1981. This leak detection system will remain in place until the Cycle 7 to Cycle 8 refueling outage, which is expected to be in the autumn of 1984. At that time, Iowa Electric will make an assessment as to whether the acoustic leak detection system should remain in place.

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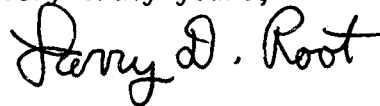
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Mr. James G. Keppler  
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The above action plan summarizes Iowa Electric's line of action concerning monitoring and examining the subject J4 weld indication.

If there are any questions, please contact us.

Very truly yours,

A handwritten signature in cursive script that reads "Larry D. Root".

Larry D. Root  
Assistant Vice President  
Nuclear Generation

LDR/AC/kmh\*

cc: A. Coffman  
D. Arnold  
L. Liu  
S. Tuthill  
NRC Resident Inspector  
Commitment Control Ref: #820213