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 ROTHERT, W.C. Iowa Electric Light & Power Co.
 RECIP. NAME RECIPIENT AFFILIATION
 MURLEY, T.E. Office of Nuclear Reactor Regulation, Director (Post 870411)

SUBJECT: Informs NRC of results of weld overlay insp performed during upcoming refueling outage.

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Iowa Electric Light and Power Company

November 1, 1988

NG-88-3537

Dr. Thomas E. Murley, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Mail Station P1-137
Washington, DC 20555

Subject: Duane Arnold Energy Center
Docket No: 50-331
Op. License No: DPR-49
IGSCC Inspections - Cycle 9/10 Refueling Outage
Reference: Letter from A. Cappucci (NRC) to L. Liu (Iowa
Electric), dated August 26, 1988
File: A-107, A-286a, B-31

Dear Dr. Murley:

In a meeting between representatives of Iowa Electric Light and Power Company and the NRC staff on September 8, 1988, the Staff requested that we inform them of the results of our weld overlay inspections to be performed during the upcoming refueling outage. In addition, the referenced letter recommended that we perform ultrasonic measurements to confirm the overlay thickness of the welds which have overlay repairs that received surface conditioning during the 1987 refueling outage.

The recirculation system piping at the Duane Arnold Energy Center (DAEC) has eleven welds that were repaired by nine weld overlays in 1985. Eight of the nine weld overlays received surface conditioning prior to inspection in 1987. During the current refueling outage, we have completed the ultrasonic examinations of the nine weld overlays in accordance with the guidance set forth in NRC Generic Letter 88-01 and have found no new indications of Intergranular Stress Corrosion Cracking (IGSCC) and no evidence of crack growth in the previously-identified welds. The thickness of each overlay that received surface conditioning has been measured and we have confirmed that the design requirements are met.

Inspection and verification results are on file and are available for review upon request.

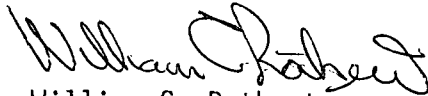
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Dr. T. Murley
NG-88-3537
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Should you have any additional questions or concerns regarding this issue, please contact this office.

Very truly yours,



William C. Rothert
Manager, Nuclear Division

WCR/NKP/pjl

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