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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: Forwards summary listing of reactor coolant pressure boundary insp scheduled for Cycle 9/10 refueling outage, per NRC request. Outage scheduled to begin on 880929.

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Iowa Electric Light and Power Company
June 17, 1988
NG-88-1756

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

Subject: Duane Arnold Energy Center
Docket No: 50-331
Op. License No: DPR-49
Plans for Inspection of Reactor Coolant Pressure Boundary Piping During Cycle 9/10 Refueling Outage

Reference: 1) Letter from M. Virgilio (NRC) to L. Liu (Iowa Electric) dated May 22, 1987
2) Letter from A. Cappucci (NRC) to L. Liu (Iowa Electric) dated August 26, 1987

File: A-107a, A-286, B-31c, SpF-118

Dear Dr. Murley:

In the referenced letters, the NRC staff stated they had reviewed and approved our piping inspection program for the Duane Arnold Energy Center (DAEC) conducted during the Cycle 8/9 refueling outage (March 12 through June 28, 1987). The staff also requested that we apprise them of our plans for future inspections and/or modifications of the reactor coolant pressure boundary piping system at least three months prior to the next scheduled refueling outage.

Attachment 1 to this letter provides a summary listing of the reactor coolant pressure boundary piping inspections scheduled for the Cycle 9/10 refueling outage. This outage is currently scheduled to begin on September 29, 1988. The attachment lists the systems to be inspected, piping diameter, weld type, and number of welds to be inspected during the Cycle 9/10 refueling outage. The comparable number of welds inspected during the preceeding outage is also stated.

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Should you have any additional questions or concerns regarding this submittal, please contact this office.

Very truly yours,

William C. Rothert
Manager, Nuclear Division

WCR/NKP/pjv+

Attachment: 1) Summary of Intergranular Stress Corrosion Cracking (IGSCC) Susceptable Welds Scheduled for Ultrasonic Examination During Cycle 9/10 Refueling Outage

cc: N. Peterson
L. Liu
L. Root
R. McGaughy
J. R. Hall (NRC-NRR)
A. Bert Davis (Region III)
NRC Resident Office
Commitment Control No. 870130, 870248

Attachment 1

Summary of Intergranular Stress Corrosion Cracking (IGSCC) Susceptible Welds Scheduled for Ultrasonic Examination During the Cycle 9/10 Refueling Outage

System	Dia. (in.)	Total IGSCC Category Welds By System/ Category	Dissimilar Metal Welds Scheduled	Stainless Steel Welds Scheduled	IGSCC Category	Total Examined Cycle 8/9 Outage	Comments
Core Spray Loop A	8	4	3	1	D	4	
Core Spray Loop B	8	4	3	1	D	4	
Reactor Water Cleanup Suction	4	18	-	13	D	5	
Reactor Water Cleanup Discharge	4	13	1	12	D	0	
Residual Heat Removal 18B	18	2	1	-	C	1	
			-	1	E	1	overlay
Residual Heat Removal 20A	20	2	1	1	C	2	
Residual Heat Removal 20B	20	2	1	1	C	2	
Recirc. Pump A-Suction	22	18	-	2	C	18	
	22	1	1	-	D	1	
Recirc. Bypass A	4	9	-	6	D	3	
Recirc. Manifold A	10	4	-	0	C	4	
	16	4	-	1	C	4	
	22	1	-	1	C	1	
Recirc. Riser E	10	4	1	-	C	3	
	10	1	1	-	D	1	
	10	1	-	1	E	1	overlay

Summary of Intergranular Stress Corrosion Cracking (IGSCC) Susceptible Welds Scheduled for Ultrasonic Examination During the Cycle 9/10 Refueling Outage

System	Dia. (in.)	Total IGSCC Category Welds By System/ Category	Dissimilar Metal Welds Scheduled	Stainless Steel Welds Scheduled	1GSCC Category	Total Examined Cycle 8/9 Outage	Comments
Recirc. Riser F	10	4	1	-	C	4	
	10	1	1	-	D	1	
	10	1	-	1	E	1	overlay
Recirc. Riser G	10	4	1	-	C	4	
	10	1	1	-	D	1	
	10	1	-	1	E	1	overlay
Recirc. Riser H	10	4	1	-	C	4	
	10	1	1	-	D	1	
	10	1	-	1	E	1	overlay
Recirc. Pump B-Suction	22	18	-	2	C	18	
	22	1	1	-	D	1	
Recirc. Bypass B	4	9	-	6	D	3	
Recirc. Manifold B	10	4	-	-	C	4	
	16	4	-	1	C	4	
	22	1	-	1	C	1	
Recirc. Riser A	10	4	1	-	C	4	
	10	1	1	-	D	1	
	10	1	-	1	E	1	overlay

Summary of Intergranular Stress Corrosion Cracking (IGSCC) Susceptible Welds Scheduled for Ultrasonic Examination During the Cycle 9/10 Refueling Outage

System	Dia. (in.)	Total IGSCC Category Welds By System/ Category	Dissimilar Metal Welds Scheduled	Stainless Steel Welds Scheduled	Total IGSCC Category	Examined 1987 RFO	Comments
Recirc. Riser B	10	4	1	-	C	4	
	10	1	1	-	D	1	
	10	1	-	1	E	1	overlay
Recirc. Riser C	10	6	1	2	C	6	
	10	1	1	-	D	1	
Recirc. Riser D	10	3	1	-	C	3	
	10	1	1		D	1	
	10	2	-	2	E	2	overlays
Jet Pump Instr.-A	4	2	-	-	D	2	
Jet Pump Instr.-B	4	2	-	-	D	2	
Totals	N/A	172	28	60	N/A	130	N/A