



Commonwealth Edison

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Address Reply to: Post Office Box 767
Chicago, Illinois 60690 - 0767

September 12, 1986

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: LaSalle County Station Unit 2
Stainless Steel Piping Inspection
Plan, Fall 1986 Refueling Outage
NRC Docket No. 50-374

References (a): Letter from J. A. Zwolinski to D. L.
Farrar dated January 7, 1986.

(b): Letter from C. M. Allen to H. R. Denton
dated August 19, 1986.

Dear Mr. Denton:

In accordance with the Reference (a), this transmittal provides our piping inspection plan for the LaSalle County Station Unit 2 Refueling Outage. The inspection plan was prepared consistent with the guidance in Generic Letter 84-11.

Reference (b) was our original transmittal for the upcoming outage. Due to several mistakes in the Attachment to that letter, it is to be superceded in its entirety by this transmittal.

Attachment A provides a general description of the inspection plan including inspector qualifications and provisions for crack evaluation and sample expansion. Also included is a table detailing the number of welds by system and pipe size to be examined.

Commonwealth Edison is aware that the NRC intends to issue NUREG-0313 Revision 2 for comment at some point in the future. However, since these new requirements have not yet been issued, we have established our inspection plan in accordance with the existing regulatory requirements and submitted it for your review on the schedule required in the referenced letter. To avoid any impact on our refueling outage schedule, we request your concurrence with the attached inspection plan as soon as possible. The Unit 2 outage is currently scheduled to begin in December 1986.

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Mr. H. R. Denton

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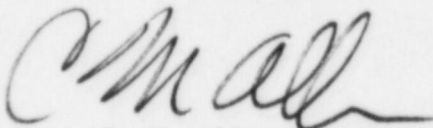
September 12, 1986

In accordance with the requirements of 10 CFR 170.12, a fee remittance in the amount of \$150.00 was enclosed in Reference (b) and should be applied to this transmittal.

If you have any questions regarding this transmittal, please contact this office.

One signed original and forty (40) copies of this letter and the attachment are provided for your use.

Very truly yours,



C. M. Allen
Nuclear Licensing Administrator

lm

Attachments

cc: Resident Inspector - LSCS
Dr. A. Bournia - NRR

2097K

ATTACHMENT 1

LASALLE COUNTY STATION UNIT 2 84-11

AUGMENTED INSPECTION PLAN

System	Size	Total	Solution Annealed	Resistant Material	To Be Stress Improved	84-11 Total	84-11 Sample
RECIRCULATION	24"	46	4	0	5	42	8
	16"	16	8	0	0	8	4
	12"	60	0	30	10	30	6
RESIDUAL HEAT REMOVAL	20"	11	0	0	9	11	4
	12"	15	2	0	8	13	4
RECIRCULATION RESIDUAL HEAT REMOVAL, JET PUMP INSTRUMENT	4"	31	6	0	14	25	5
		179	20	30	46	129	31

COLUMN

- 3 - Total welds on a particular system or size.
- 4 - Total welds that are solution annealed. These welds are resistant to IGSCC and will be inspected under Section XI requirements.
- 5 - These welds join 316K material. This material is equivalent to 316L and has a carbon content of .02% maximum. These welds will be inspected under Section XI requirements.
- 6 - Total welds that are scheduled to be stress improved this refuel outage. The number of welds could be reduced if stress improvement is not performed on all welds.
- 7 - Total welds that fall under the Generic Letter 84-11 requirements.
- 8 - Minimum 84-11 sample.

ATTACHMENT A

LASALLE COUNTY STATION UNIT 2 FALL 1986 OUTAGE

PIPING INSPECTION PLAN

1. During the Preservice Inspection, Induction Heat Stress Improvement (IHSI) was performed on approximately 80 welds. It is planned to perform Stress Improvement on approximately 40 additional welds.
2. The accompanying table titled, "LaSalle County Station Unit 2, 84-11 Augmented Inspection Plan", provides the sampling plan for addressing the Intergranular Stress Corrosion Cracking (IGSCC) concerns during the LaSalle County Unit 2 Fall 1986 outage. The augmented inspection will consist of 31 weld examinations.
3. All stainless steel weld examinations will be performed by special Level II inspectors, qualified by EPRI after September 1985.
4. Each flaw indication will be evaluated in accordance with the guidance of NUREG-1061 Volume 1 and GL 84-11. If repairs are required, weld overlays will be utilized which take into account flaw characterization, depth, length, and material toughness concerns for SMAW and SAW deposited material. All welds with an axial crack will have an overlay repair applied.

If there is a flaw indication that is less than or equal to 10% of circumference and less than or equal to 30% in depth and stress improvement has been applied, the crack growth analysis will include the beneficial residual stress pattern from stress improvement.

5. If cracks are found within the inspected sample of a specific piping category, another equivalent sample of the same number in that category will be inspected. Categories are defined by the horizontal lines on the accompanying table. For example, the first category is Recirculation which would include risers, header and outlets.

