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

October 15, 1987

Mr. Thomas E. Murley, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, DC 20555

Subject: Dresden Station Unit 3
Submittal of IGSCC Inspection
Plan for the 1988 Outage
NRC Docket No. 50-249

References: (a) Generic Letter 84-11 dated April 19, 1984
concerning Inspections of BWR Stainless Steel Piping
(b) B. Rybak letter to H. R. Denton letter dated June 3, 1985
(c) J. R. Wojnarowski letter to H. R. Denton dated July 18, 1986

Dear Mr. Murley:

The Reference (a) letter required ongoing IGSCC inspections to be conducted during BWR refueling outages. Reference (b) provided the Commonwealth Edison plan to replace the reactor recirculation system and portions of other IGSCC susceptible piping for Dresden Unit 3 during its Fall 1985 outage. Any susceptible piping not replaced was inspected in accordance with Generic Letter 84-11 and results were provided in Reference (c).

This transmittal provides the IGSCC inspection plan for the Winter 1988 Dresden 3 outage in accordance with Generic Letter 84-11. To facilitate final outage planning, your concurrence is requested by December 15, 1987, i.e. approximately one month prior to the currently scheduled shutdown date.

Please contact this office should further information be required.

Very truly yours,

J. A. Silady
Nuclear Licensing Administrator

Attachment

cc: M. Grotenhuis - NRR
NRC Resident Inspector - Dresden

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Dresden Unit 3
Plan for IGSCC Related Activities
Winter 1988 Outage

During the Fall 1985/Spring 1986 Recirculation Pipe Replacement outage most of the IGSCC susceptible piping was replaced using IGSCC resistant Type 316 NG material. This replacement piping will be inspected under the normal Section XI Inspection Program. However, there is some remaining Class 1 stainless steel piping that is subject to Generic Letter 84-11 requirements. There are a total of fifty (50) welds in this category of which 28 were stress improved. The following paragraphs summarize the planned IGSCC related activities.

1. The accompanying table titled "Augmented Stainless Steel Weld Inspection Plan - Winter 1988 - Dresden Unit Three" provides the sampling plan for addressing intergranular stress corrosion cracking concerns. The plan follows the requirements of Generic Letter 84-11.

2. The proposed inspection plan includes UT inspection of twelve (12) previously examined welds, since all of the 47 accessible IGSCC susceptible welds were ultrasonically examined at least once during the Dresden 3 refueling outages in 1983 and 1985.

3. All stainless steel weld examinations will be performed by level II or III inspectors qualified by EPRI after September 10, 1985. Automated UT techniques may be employed. Results of the contractor examinations will be provided to CECo. CECo NDE personnel will be utilized for review of data sheets and final resolution of flaw indications. These CECo personnel were also qualified at the EPRI NDE Center after September 10, 1985.

4. If any additional IGSCC flaw indication is identified, it will be resolved consistent with the intent of Generic Letter 84-11. If repairs are required, weld overlays may be utilized which will take into account flaw characterization, depth, length, and material toughness concerns for SMAW and SAW deposited material.

5. If flaws are found within the first inspection sample of a specific piping category, another equivalent sample of the same number in that category will be inspected.

   If flaws are found within the second inspection sample of a specific piping category, the remaining accessible welds in that category will be inspected.

   Categories are defined by the horizontal lines on the attached table.

Augmented Stainless Steel Weld Inspection Plan
Winter 1988
Dresden Unit Three

Category	Size	Total	Prev. Exam (1)	Not. Prev. Exam (2) (Inaccessible)	1988 84-11 Sample Prev. Exam	1988 84-11 Sample Not Prev. Exam
Isolation Condenser	14"	14(3)	13	1	3	0
Core Spray	10"	29	27	2	5	0
Reactor Head Vent	4"	3	3	0	2	0
Spare Nozzle	6"	2	2	0	1	0
Head Spray	6"	2	2	0	1	0
		50	47	3	12	0

Weld with known flaws	0
Previously examined weld - 1988 sample	12
Not previously examined weld - 1988 sample	0
Weld overlay sample	0
Total 1988 Sample	12 Inspections

NOTE: (1) Welds that were ultrasonically examined previously to address IGSCC concerns.
(2) Welds that were not ultrasonically examined previously to address IGSCC concerns.
(3) Includes the Nozzle - Safe End weld