



Commonwealth Edison
One First National Plaza, Chicago, Illinois
Address Reply to: Post Office Box 767
Chicago, Illinois 60690

BBS Ltr. #124-75

Dresden Nuclear Power Station
R. R. #1
Morris, Illinois 60450
February 28, 1975

Mr. James G. Keppler, Regional Director
Directorate of Regulatory Operations-Region III
U.S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Docket 50-237

SUBJECT: RESPONSE TO I.E. BULLETIN NO. 75-01 FOR DRESDEN UNIT 2, DPR-19

- References:
- 1) I.E. Bulletin No. 75-01 dated January 30, 1975
 - 2) Letter from B. B. Stephenson to J. G. Keppler dated February 6, 1975 on Core Spray through-wall Cracks
 - 3) Letter from B. B. Stephenson to J. G. Keppler dated February 21, 1975 on Core Spray through-wall Cracks
 - 4) Notification of Region III of NRC Regulatory Operations
Telephone: Mr. P. J. Johnson on February 10, 1975

Facility: Dresden Nuclear Power Station, Morris, Illinois

In response to the request of the NRC's I.E. Bulletin 75-01 dated January 30, 1975, Dresden Unit 2 is providing written confirmation of the results of the ultrasonic and visual examinations performed from January 28, through February 20, 1975.

The scope of the inspection consisted of 97 welds* which includes all circumferential welds in each core spray loop up to and including the valve-to-pipe weld in the second isolation valve from the reactor pressure vessel. In addition other pressure retaining welds were selected in austenitic piping that is a part of the reactor coolant pressure boundary, per the bulletin.

During the course of the examination period, another through-wall crack was discovered February 9, 1975, on "A" Core Spray injection line, approximately 8 feet from the initial cracks. This new discovery was reported to the NRC as referenced above (No. 3).

The results of the remaining weld examinations were evaluated by two consultants from General Electric Co, Level III and II respectively. The intensive evaluation of these welds determined that many of the indications noted were of a geometrical nature. Subsequent to these evaluations, a section of piping on the core spray line containing cracks

* See attachment A for the breakdown of welds examined.

8103110030

was removed from the system. Included in this section of piping were several welds that possessed these geometrical indications.

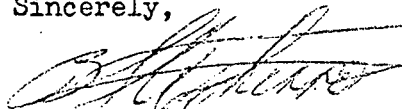
To substantiate the evaluations made on the core spray welds that contained these geometrical indications, CECO's Operational Analysis Department performed visual and dye penetrant examinations on the internal surface of these welds. The visual examination revealed that the geometrical indications were present. However, the dye penetrant examination produced a defect (crack) on the internal surface of the two welds examined.

As a result of these findings Commonwealth Edison is evaluating with consultants, the corrective action to be taken to prevent recurrence. Consideration is being given to replacing part or all the stainless steel piping on the core spray system with carbon steel. The corrective action will be reported in a followup letter.

The indications in the welds of the other austenitic piping system were evaluated and it was concluded that they paralleled the preoperational baseline results of 1970. All welds examined were deemed satisfactory.

The conclusion of the inspection per the I.E. bulletin is that other than the core spray piping, the systems inspected had complete integrity with no signs of degradation.

Sincerely,



B. B. Stephenson
Superintendent

BBS:smp

File/AEC

CC: Asst. Direct. for Const. & Oper.

ATTACHMENT A

DRESDEN UNIT 2

SYSTEM & NUMBER OF WELDS EXAMINED

<u>SYSTEM</u>	<u>NUMBER OF WELDS EXAMINED</u>
1. Main Recirculation Piping, including Jet Pump Riser	26
2. Low Pressure Coolant Injection System	2
3. Reactor Head Spray System	2
4. Control Rod Drive Return System	2
5. Branch Piping Off Main Recirculating Piping	8
6. Reactor Clean-up System	2
7. Reactor Feedwater System	Excluded-Carbon Steel
8. Core Spray System	<u>55</u>
	97
Total Number in I.E. Bulletin Program	102
Welds Inaccessible	<u>-5</u>
	97
Core Spray - Nozzle - Safe-end - Dutchman Pipe	<u>-6*</u>
	91

* Complete examination preformed - not included in, I.E. Bulletin 75-01 status.