



Commonwealth Edison
Dresden Nuclear Power Station
R.R. #1
Morris, Illinois 60450
Telephone 815/942-2920

*Central Mail &
Files*

May 10, 1976

BBS Ltr. #357-76

Mr. James G. Keppler
Regional Director - Region III
Inspection and Enforcement
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

SUBJECT: Resolution of Unacceptable Baseline Ultrasonic
Examination on Dresden Unit 2

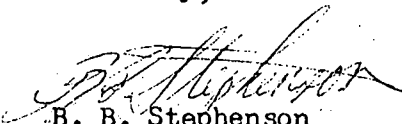
Dear Mr. Keppler:

After replacement of the Dresden Unit 2 core spray system piping during the spring 1975 refueling outage, it was found that the core spray safe-ends were not ultrasonically inspectable. This was attributed to the 308L weld clad which was added to the inside diameter of the stainless steel to increase its resistance to inter granular stress assisted corrosion cracking. The new safe-ends were volumetrically inspected using radiographic techniques to satisfy the installation inspection acceptance criteria.

Since radiography is not favored as an inservice inspection technique, a method of ultrasonic examination was developed. This method resulted in the writing of a new ultrasonic inspection procedure, NDT-C-21. The procedure is based on an examination using refracted longitudinal wave technique, examining on the one-half node.

This procedure was employed to establish an acceptable baseline ultrasonic examination of the new core spray safe-end welds. This procedure will be used on subsequent ultrasonic inservice inspections on these welds.

Sincerely,


B. B. Stephenson
Station Superintendent

RM:gt

cc: File/NRC

7
MAY 12 1976