

Commonwealth
Edison

INSERVICE INSPECTION PROGRAM
2ND 10-YEAR INSPECTION
ISI - CLASS 1, 2 & 3 COMPONENTS
DRESDEN NUCLEAR POWER STATION

UNIT 2

CODE CATEGORY

CLASS

REVISION - DATE

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C-A PRESSURE RETAINING WELDS IN PRESSURE VESSELS

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ITEM NUMBER	ITEM DESCRIPTION	EXAM METHOD	SYSTEM	LINE OR COMPONENT NUMBER	P & ID AND COORDINATES	NUMBER OF ITEMS	RELIEF REQUESTS	REMARKS
C1.30	LPCI/CCSW Heat Exchanger Tubesheet-to-Shell Weld	Vol.	LPCI	2A-1503	29 F-8	1	CR-9	Inspections may be limited to 1 vessel or distributed amongst the two
		"	"	2B-1503	29 F-2	1	CR-9	

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C1.30	LPCI/CCSW Heat Exchanger: Tubesheet-to-Shell Weld	Vol.	LPCI	3A-1503	360 F-8	1	CR-9	Inspections may be limited to 1 vessel or distributed amongst the two.
		"	"	3B-1503	360 F-2	1	CR-9	

Relief Request No. CR-9

I. Identification of Components and Impractical Code Requirements

Section XI of the ASME Boiler and Pressure Vessel Code, 1977 Edition including the Summer 1978 Addenda requires a volumetric inspection of tube sheet to shell welds (Code Category C-A, Item Cl.30) each ten-year interval.

The LPCI/CCSW heat exchanger tube sheet to shell welds fall into this requirement. These welds were made to Section VIII code requirements of pre-1971 vintage and volumetric examination was not required.

II. Basis for Relief

An investigation of the ultrasonic testability of the subject welds indicates that a Section XI Code UT examination cannot satisfactorily be performed. Also, radiography cannot be performed because the joint geometry precludes the making of a meaningful radiograph.

III. Alternate Provisions

There is a monthly operating surveillance run to detect tube leaks which would verify the integrity of the heat exchangers. In addition, during each refueling cycle there is a leak detection and reduction program performed during which LPCI system surveillance is run and the heat exchangers are visually inspected for leaks.

It is felt that these programs will detect any problems that would develop in this area.