Wisconsin Electric
POWER COMPANY

Point Beach Nuclear Plant
6610 Nuclear Rd., Two Rivers, WI 54241

(414) 755-2321

PBL 96-0218

October 16, 1996

Document Control Desk
U. S. NUCLEAR REGULATORY COMMISSION
Mail Station P1-137
Washington, DC 20555

Gentlemen:

DOCKET 50-301
ASME SECTION XI RELIEF REQUEST RR-2-23
POINT BEACH NUCLEAR PLANT, UNIT 2

In accordance with 10 CFR 50.55a(g)(5)(iv), Wisconsin Electric Power Company requests relief from Section XI of the American Society of Mechanical Engineers (ASME) Boiler and Pressure Vessel Code, "Rules for Inservice Examination of Nuclear Power Plant Components," 1986, edition, no addenda. The requirements for which relief is requested apply to the third inservice inspection interval for Point Beach Nuclear Plant, Unit 2. The third interval began in December 1992 for Unit 2.

The attached relief request, RR-2-23, provides the information needed for the NRC to complete a review and approval as required. If you have any questions or require additional information, please contact us.

Sincerely,

Scott Patulski

Scott Patulski
General Manager - Nuclear Operations

caw

ATTACHMENT

A047

# RR-2-23

## COMPONENT

Steam Generators A and B

## EXAM AREA

| | |
|---|---|
| RC-34-MRCL-AI-05 | Safe End to A SG Inlet Nozzle |
| RC-36-MRCL-AII-01A | A SG Outlet Nozzle to Safe End |
| RC-34-MRCL-BI-05 | Safe End to B SG Inlet Nozzle |
| RC-36-MRCL-BII-01A | B SG Outlet Nozzle to Safe End |

## ISOMETRIC

ISI-PRI-2120
ISI-PRI-2121

## ASME SECTION XI CATEGORY

B-F

## ASME SECTION XI ITEM NUMBER

B5.70

## ASME SECTION XI REQUIREMENT

Volumetric and Surface, Figure IWB-2500-8
ASME Code Case N-460

## ALTERNATE REQUIREMENT

The required surface examinations will be completed. The required volumetric examination will be completed to the extent practical.

## REASON FOR PROPOSED ALTERNATE REQUIREMENT

PBNP Unit 2 will be replacing both the A and B Steam Generators during the U2R22 outage (Fall 1996). The examination of the components above have been completed to the extent practical as required by the Code. Refracted longitudinal waves were used to perform the examination because of the acoustic properties of the materials involved. The use of refracted longitudinal waves prevents the use of beam reflection to increase the examination volume. Due to geometrical changes in the nozzle configuration, complete coverage of the examination volume from the nozzle side could not be obtained. Coverage obtained was approximately 44% from the nozzle side. Complete coverage from the safe end side was obtained. Therefore, 44% of the weld volume received two-directional coverage and 100% of the weld received one-directional coverage.

Alternative components could not be substituted for examination because this is a preservice examination requirement for the replacement steam generators.

The attachment details a plot of the coverage obtained. This plot is representative of all four nozzle-to-safe end welds.

WESTINGHOUSE NUCLEAR SERVICE DIVISION

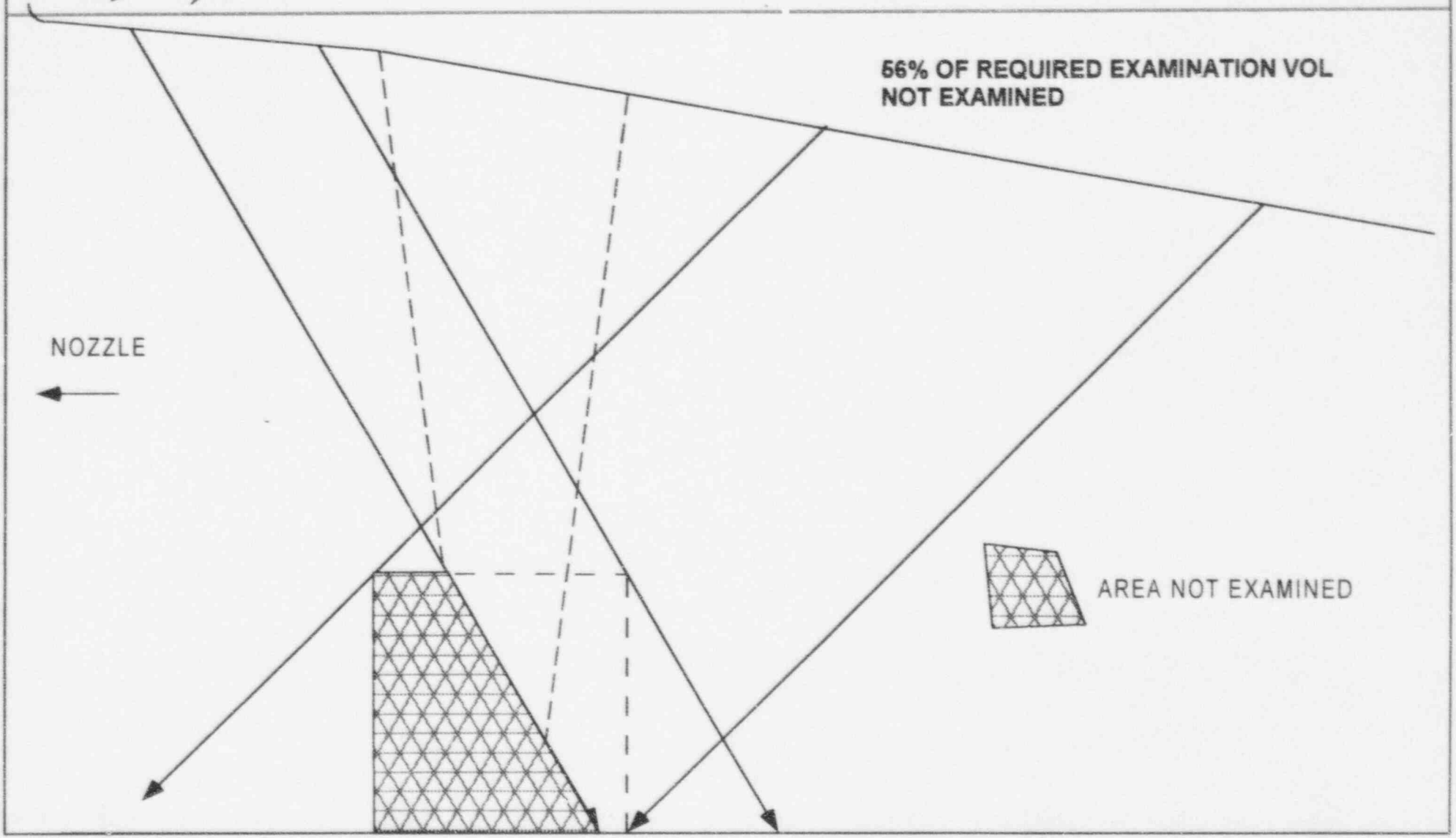
INSPECTION SERVICES

## WELD PROFILE

PLANT POINT BEACH UNIT 2 SKETCH 12173

SYST./COMP SAFE END TO NOZZLE IDENTIFACTION U & V PROCEDURE WIS-ISI-211 REV. 0 F.C. 1

EXAMINER Gary A Morin DATE 5-29-96




Attachment