

NOTICE OF VIOLATION

Wisconsin Electric
Power Company
Point Beach Nuclear Plant

Docket Nos. 50-266; 50-301
Licenses No. DPR-24;
No. DPR-27

As a result of the inspection conducted from January 23 through May 11, 1989 and in accordance with the "General Policy and Procedure for NRC Enforcement Actions," 10 CFR Part 2, Appendix C (1988), the following violations were identified:

1. 10 CFR 50, Appendix B, Criterion III, as implemented by the Point Beach FSAR, Paragraph 1.8.3 requires that measures be established to assure that design bases are correctly translated into design documents and that the design adequacy is verified and checked.

Contrary to the above, design bases were not correctly translated into design documents and design adequacy was not correctly verified and checked in that final design calculations for three piping supports had the following design control problems:

a. Support AC-601R-2-R38 (Auxiliary Coolant)

- (1) There was no documentation to demonstrate that ANSI B31.1 Code requirements for the localized stresses induced into the pipe were considered.
- (2) There was no documentation to show that the structural lug attachment to the pipe was evaluated for the design loads and the temperature effects.
- (3) The two horizontal design loads were analyzed in the wrong directions due to misinterpretation of coordinates.

b. Support EB-10-A12 (Emergency Feedwater)

- (1) Instead of using the member metal area, the member hollow area was used in the calculation of the axial, shear, and combined stresses for the stanchion.
- (2) There was no documentation in the calculation to demonstrate that the localized stresses induced into the pipe were considered.
- (3) Since thermal loads were included in the design calculation, the stanchion evaluation should have addressed the temperature effects on the yield strength of the material.
- (4) Although the design calculations required a 3/8 inch fillet weld between the stanchion and the base plate, the as-built drawing showed a 1/4 inch fillet weld.

(5) Section C-C of the as-built drawing was not consistent with the items shown on the bill of material list.

c. HB-19-HB-4B (Service Water)

The location of this installed support was different from the location shown on the as-built drawing by 3'-3 1/2". The location on the as-built drawing was used in the stress analysis. There was no documentation in the calculation to show that this location discrepancy was evaluated in accordance with IE Bulletin 79-14 requirements (266/89004-01, 301/89004-01).

This is a Severity Level IV violation (Supplement I).

2. 10 CFR 50, Appendix B, Criterion V, as implemented by the Point Beach FSAR, Paragraph 1.8.5 requires that activities affecting quality be prescribed by documented procedures.

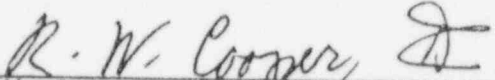
Contrary to the above, the design activities associated with the analysis of integral pipe attachments as required by the ANSI code were not prescribed by documented procedures (266/89004-02; 301/89004-02).

This is a Severity Level IV violation (Supplement I).

Pursuant to the provisions of 10 CFR 2.201, you are required to submit to this office within thirty days of the date of this Notice a written statement or explanation in reply, including for each violation: (1) corrective action taken and the results achieved; (2) corrective action to be taken to avoid further violations; and (3) the date when full compliance will be achieved. Consideration may be given to extending your response time for a good cause shown.

Dated

7/6/89


R. W. Cooper, II, Chief
Engineering Branch