

LICENSEE EVENT REPORT

CONTROL BLOCK: [][][][][][][][] (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

[0 1] [W I P B H 1] (2) [0 0 - 0 0 0 0 0 - 0 0] (3) [4 1 1 1 1] (4) [] (5)

CON'T [0 1] REPORT SOURCE [L] (6) [0 5 0 0 0 2 6 6] (7) [1 1 1 5 7 9] (8) [1 1 2 7 7 9] (9)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

[0 2] [During a refueling shutdown, an engineering investigation and analysis
[0 3] [in accordance with IE Bulletin 79-02 indicated that an anchor in the
[0 4] ["A" SG auxiliary feedwater line contained a construction deficiency. An
[0 5] [as-built analysis of the anchor showed that it was capable of performing
[0 6] [its support function, but not its restraint function. Failure of this
[0 7] [support could result in loss of auxiliary feed to the "A" SG, but would
[0 8] [not violate the steam generator pressure boundary.

[0 9] [C H] (11) [B] (12) [C] (13) [S U P O R T] (14) [B] (15) [Z] (16)

(17) LER RO REPORT NUMBER [7 9] [] (18) [] (19) [] (20) [] (21) [] (22) [] (23) [] (24) [0 2 0] (25) [] (26) [] (27) [] (28) [0 1] (29) [] (30) [] (31) [] (32) [0]

[F] (33) [Z] (34) [Z] (35) [Z] (36) [0 0 0 0] (37) [Y] (38) [N] (39) [A] (40) [B 1 3 0] (41) [] (42) [] (43) [] (44) [] (45) [] (46) [] (47) [] (48)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

[1 0] [Three of the six bolts in the anchor support plate were improperly
[1 1] [installed, thus the anchor did not provide a design safety factor of
[1 2] [greater than 2.0. The anchor has been permanently modified such that
[1 3] [design safety factor is now greater than 4.0 and is now fully capable of
[1 4] [performing its required function.

[1 5] [H] (28) [0 0 0] (29) [N/A] (30) [C] (31) [IE Bulletin 79-02 Testing] (32)

[1 6] [Z] (33) [Z] (34) [N/A] (35) [N/A] (36)

[1 7] [0 0 0] (37) [Z] (38) [N/A] (39)

[1 8] [0 0 0] (40) [N/A] (41)

[1 9] [] (42) [N/A] (43)

[2 0] [N] (44) [N/A] (45)

[] (46) [] (47) [] (48)

[] (49) [] (50) [] (51) [] (52) [] (53) [] (54) [] (55) [] (56) [] (57) [] (58) [] (59) [] (60)

7912070433

1514 173

ATTACHMENT TO LICENSEE EVENT REPORT NO. 79-020/01T-0

Wisconsin Electric Power Company
Foint Beach Nuclear Plant Unit 1
Docket No. 50-266

On November 15, 1979, with Unit 1 shut down for refueling, an engineering evaluation of an anchor on the "A" steam generator auxiliary feedwater line inside containment indicated that the anchor did not meet the design safety factor requirements. The analysis, performed on the as-built condition of the anchor, followed discovery of a construction deficiency in that three of the six bolts in the anchor plate were improperly installed. The investigation and analysis was conducted in accordance with the requirements of IE Bulletin 79-02.

The analysis of the as-built condition of the anchor showed that it had a design safety factor of less than 2.0 and, thus, could not be assumed capable of fully providing its restraint function, although it would provide its support function. An engineering judgment, conservatively assuming that the restraint in question was not provided, predicted unacceptable piping stresses (i.e., not within yield).

The potential consequences of the postulated failure of the "A" steam generator auxiliary feedwater line are reduced by the fact that the deficient anchor is upstream of two-line check valves, with one rigid and two spring hangers in between. Also, the anchor is located outside of the steam generator missile shield. These two facts reduce the potential of violating the steam generator pressure boundary. Further, the line to the "A" steam generator can be isolated upstream of the anchor and all auxiliary feedwater flow directed to the "B" steam generator. No problems were identified in the "B" steam generator auxiliary feedwater line anchors.

The anchor has been permanently modified by providing additional support such that it is now fully capable of performing its required function; the safety factor is now greater than 4.0.

Because of differing equipment and piping layouts, the support in question is unique to Unit 1; a comparable support does not exist in Unit 2.

This discovery is reportable per Technical Specification 15.6.9.2.A.9.