

LICENSEE EVENT REPORT

CONTROL BLOCK: 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 0 H D B S 1 2 0 0 - 0 0 0 0 0 - 0 0 3 4 1 1 1 1 1 4 5

CONT

01 L 6 0 5 0 0 0 3 4 6 7 0 4 2 6 8 2 8 0 4 3 0 8 2 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 (NP-32-82-03) During the steam generator eddy current inspection, it was discovered
03 that some of the steam generator tubes located adjacent to the auxiliary feedwater
04 header showed potential interaction with the header support system. A secondary side
05 manway from Steam Generator 1-1 was removed, and it was determined by direct visual
06 observation and fiberoptic inspection that the auxiliary feedwater header was not
07 securely fastened and had experienced damage. Inspection of the other steam genera-
08 tor yielded similar results.

09 C H 11 B 12 * 13 * * * * * 14 * 15 * 16 * = LATER
17 8 2 - 0 1 9 / 0 1 T - 0
* 18 * 19 Z 20 Z 21 2 0 0 0 Y 23 Y 24 N 25 B 0 1 5 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 Toledo Edison is working in conjunction with contractors and other owners to deter-
11 mine the cause and evaluate possible corrective action. The investigation is still
12 in the preliminary stage; no conclusions have yet been drawn. This report will be
13 updated as more information becomes available.

14 H 28 0 0 0 29 MODE 6 30 C 31 TUBE INSPECTION 32

15 Z 33 Z 34 NA 35 NA 36

16 0 0 0 37 Z 38 NA 39

17 0 0 0 40 NA 41

18 Z 42 NA 43

19 Y 44 Northwestern Ohio News Media and Wire Services 45

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TOLEDO EDISON COMPANY
DAVIS-BESSE NUCLEAR POWER STATION UNIT ONE
SUPPLEMENTAL INFORMATION FOR LER NP-32-82-03

DATE OF EVENT: April 19, 1982

FACILITY: Davis-Besse Unit 1

Conditions Prior to Occurrence: The unit was in Mode 6, with Power (MWT) = 0 and Load (Gross MWE) = 0.

Description of Occurrence: During the steam generator eddy current inspection, it was discovered that some of the steam generator tubes located adjacent to the auxiliary feedwater header showed potential interaction with the header support system. A secondary side manway from Steam Generator 1-1 was removed, and it was determined by direct visual observation and fiberoptic inspection that the auxiliary feedwater header was not securely fastened to the upper shroud and had experienced damage. Inspection of the other steam generator yielded similar results. These inspections have identified:

- (1) Ten peripheral tubes in the 1-2 SG and fourteen peripheral tubes in the 1-1 SG based on eddy current examinations may have been in contact with the AFW header assembly.
- (2) As a result of this potential contact between the tubes and header assembly, three tubes contain pluggable indications.
- (3) The amount of tube ID reduction on the damaged tubes is less than 20 mils.
- (4) The outward wall of the header is distorted inward (concave) as much as $4\frac{1}{2}$ ".
- (5) Certain header support brackets are bent, and on some the bottom ligaments are torn out or have broken off.
- (6) Dowel pins are missing at six of eight locations inspected. Three dowel pins and two brackets have been retrieved from the steam annulus area in 1-2 SG.
- (7) There is evidence of wear on dowel pins and brackets.
- (8) The auxiliary feedwater nozzle thermal sleeve was not in alignment with the header on Unit #1 (1-1 SG).

See drawings on pages 3 through 5.

This incident is being reported in accordance with Technical Specification 6.9.1.8.

Designation of Apparent Cause of Occurrence: The root cause of this event has not yet been determined. The investigation is still continuing, no conclusions have yet been drawn. This will be updated as information becomes available.

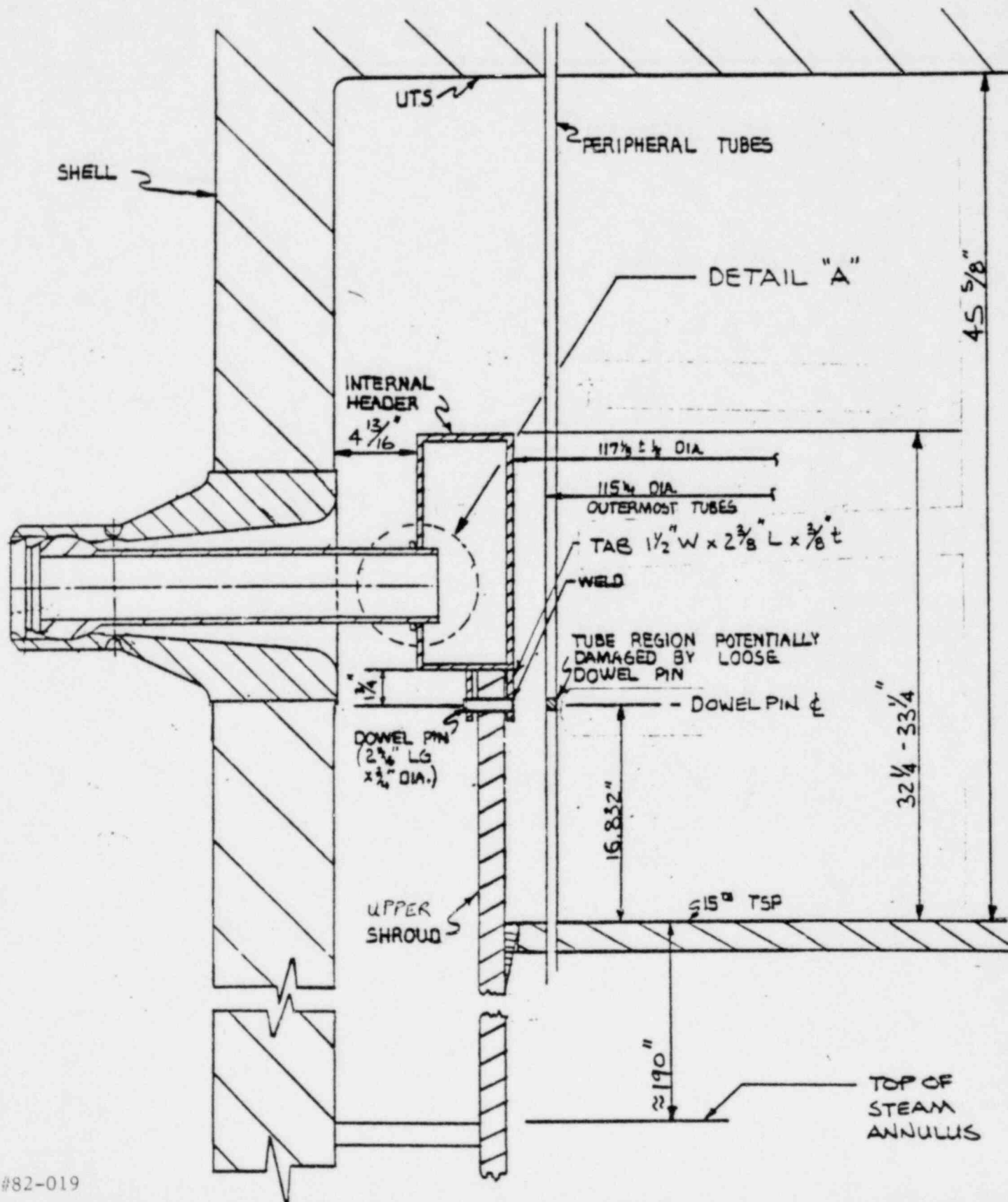
LER # 82-019

Analysis of Occurrence: There is no danger to the health and safety of the public or to station personnel. The steam generators are not in use at this time since the unit is shutdown for the refueling outage. There have been no actuations of the auxiliary feedwater system where the header was unable to deliver adequate flow.

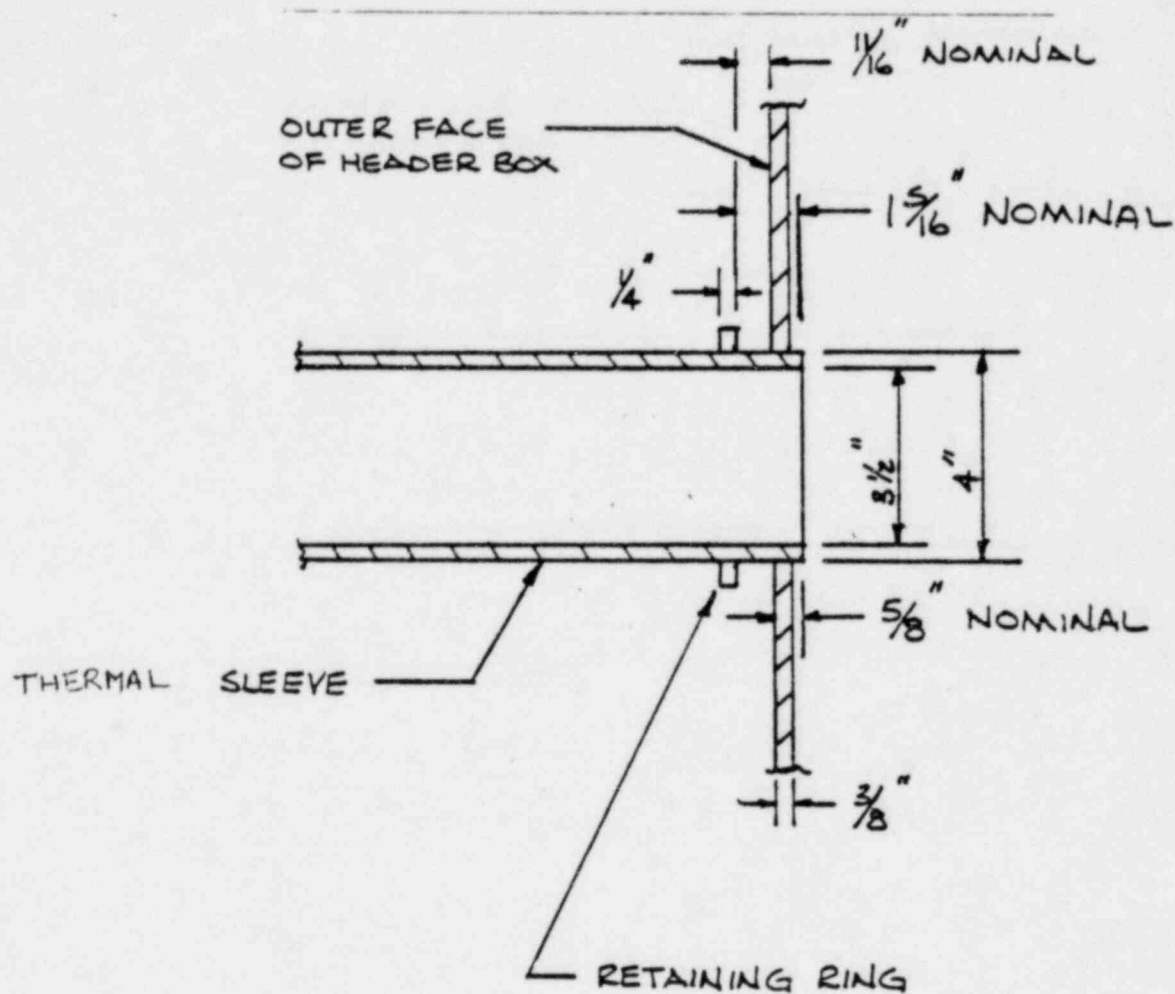
Corrective Action: Toledo Edison is working in connection with contractors and other owners to evaluate possible corrective actions. This report will be updated as information becomes available.

Failure Data: There have been no previously reported incidents of auxiliary feedwater header damage.

LONGITUDINAL SECTION AT DOWEL PIN



AUXILIARY FEEDWATER SLEEVE/HEADER INTERFACE



LOCATION OF AUXILIARY FEEDWATER

HEADER FLOW HOLES

60 $1\frac{1}{2}$ " DIA. HOLES
EQUALLY SPACED

