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01 REPORT SOURCE L 6 050-0302 7100581 2051282 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 During shutdown surveillance activities, various snubbers were discovered inoperable.

03 These events were not attributed to a specific shutdown activity as required by Reg. Guide

04 1.16 and, therefore, are reportable as being contrary to T.S. 3.7.9.1. There was no effect

05 upon the health and safety of the general public. From October 14 through December 11, 198

06 a total of seventy-five (75) snubbers failed to meet specific acceptance criteria and were,

07 therefore, inoperable. This is the sixth event reported under this Specification.

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CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

16 Snubber failures were determined to have been caused by debris in the hydraulic fluid, air

17 entrapment through snubber seals, and the use of un-tempered radial bearings. One hundred

18 ninety-three (193) of two hundred sixty-one (261) safety-related snubbers have been rebuilt.

19 The remaining sixty-eight (68) safety-related snubbers will be rebuilt over the next six (6)

20 months.

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SUPPLEMENTARY INFORMATION

Report No.: 50-302/81-063/03L-
Facility: Crystal River Unit 3
Report Date: May 12, 1982
Occurrence Date: October 5, 1981
Identification of Occurrence:

Various hydraulic snubbers were discovered to have been inoperable during shutdown surveillance activities. These events were not attributed to specific shutdown activities as required by Regulatory Guide 1.16, therefore, they are being reported as contrary to Technical Specification 3.7.9.1.

Conditions Prior to Occurrence:

Mode 5 cold shutdown (0%).

Description of Occurrence:

From October 14 through December 11, 1981, during performance of SP-300, Hydraulic Snubber Functional Testing, seventy-five (75) out of one hundred-sixty (160) snubbers tested did not meet the acceptance criteria specified in MP-130, Pipe Snubber Maintenance. Failure modes were determined and are reportable as follows: a) fifty-two (52) snubbers failed to meet bleed rate acceptance criteria; b) fourteen (14) snubbers failed to meet locking velocity acceptance criteria; and c) one snubber was determined to be inoperable due to a shattered radial bearing; d) eight snubbers failed to meet shock load acceptance criteria.

Designation of Apparent Cause:

Failures were due to the following causes: a) debris in the hydraulic fluid; b&c) air entrainment through snubber seals; d) untempered radial bearings used.

Corrective Action:

The following snubbers have been rebuilt complete with new fluid, seals, required hardware (including stainless steel bushings and heat treated radial bearings; one hundred sixty-six (166) snubbers located inside the Reactor Building. The remaining sixty-eight (68) snubbers will be rebuilt over the next six months as parts become available.

Failure Data:

This is the sixth report under this Specification.

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