

REPORT DATE: October 21, 1982

REPORTABLE OCCURRENCE 82-037

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ISSUE 0  
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FORT ST. VRAIN NUCLEAR GENERATING STATION  
PUBLIC SERVICE COMPANY OF COLORADO  
16805 WELD COUNTY ROAD 19 1/2  
PLATTEVILLE, COLORADO 80651-9298

REPORT NO. 50-267/82-037/03-L-0

Final

IDENTIFICATION OF  
OCCURRENCE:

During the period from September 21, 1982, to September 29, 1982, five Class I hydraulic shock suppressors were found to be inoperable. This is a degraded mode of LCO 4.3.10 and is reportable per Fort St. Vrain Technical Specification AC 7.5.2(b)2.

EVENT  
DESCRIPTION:

Events No. 1, 2, and 3 occurred during steady state power operation with the reactor at approximately 70% thermal power and 215 MWe. The events are described as follows:

Event #1

On September 21, 1982, hydraulic oil snubber, HOS-14, and main steam snubber, MSS-29, were determined to be inoperable due to the length of the piston stroke.

Event #2

On September 27, 1982, cold reheat snubber, CRS-262, was determined to be inoperable due to the length of the piston stroke.

Event #3

On September 29, 1982, main steam snubber, MSS-29, and main steam snubber, MSS-258, were determined to be inoperable due to the length of the piston stroke.

CAUSE  
DESCRIPTION:

Event #1

Hydraulic oil snubber, HOS-14, and main steam snubber, MSS-29, were inoperable due to thermal pipe expansion which extended the snubber piston until no further movement was possible.

Event #2

Cold reheat snubber, CRS-262, was inoperable with the piston rod screwed slightly out of the rod eye and no adjustment available due to thermal expansion.

Event #3

Main steam snubbers, MSS-29 and MSS-258, were inoperable due to thermal pipe expansion with no adjustment available.

CORRECTIVE  
ACTION:

Event #1

Hydraulic oil snubber, HOS-14, was removed from service at 1430 hours on September 21, 1982, and tested. No repair or repair parts required. The snubber was re-installed, and the stanchion bracket was adjusted one inch. The snubber was returned to service at 0955 hours on September 23, 1982.

Main steam snubber, MSS-29, was removed from service at 1430 hours on September 21, 1982, and replaced with an inspected and rebuilt spare snubber and new cylinder. The snubber was re-installed, the stroke adjusted to acceptable limits, and returned to service at 1250 hours on September 22, 1982.

Event #2

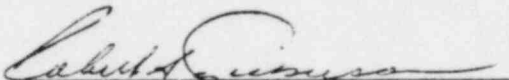
Cold reheat snubber, CRS-262, was removed from service at 0930 hours on September 27, 1982, and approximately 1/2 inch of threads removed from the rod eye end of the piston. The snubber was tested and re-installed, and returned to service at 0850 hours on September 29, 1982.

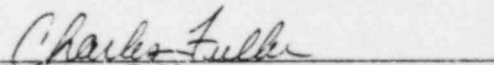
Event #3


Main steam snubber, MSS-29, was removed from service at 1040 hours on September 29, 1982, and tested. No repair parts required. The stanchion bracket was adjusted, the snubber was re-installed, and returned to service at 1025 hours on September 30, 1982.

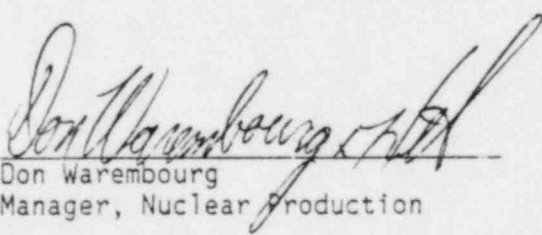
Main steam snubber, MSS-258, was removed from service at 1040 hours on September 29, 1982, and tested. No repair or repair parts required. The stanchion bracket was adjusted, the snubber was re-installed and returned to service at 1025 hours on September 30, 1982.

In accordance with the Surveillance Requirements SR 5.3.8(2), the surveillance interval of 62 days  $\pm$  25 days is in effect. No further corrective action is anticipated or required.

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LICENSEE EVENT REPORT

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

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CON'T REPORT SOURCE: L | 0 5 0 0 0 2 6 7 | 0 1 9 2 1 1 8 2 | 1 0 2 1 8 2

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

0 2 | On three separate occasions during the period from September 21, 1982, to September 29, 1982, five Class I hydraulic shock suppressors were found inoperable. This is a degraded mode of LCO 4.3.10 and is reportable per Fort St. Vrain Technical Specification AC 7.5.2(b)2. HOS-14, CRS-262, MSS-29 (twice), and MSS-258 were inoperable due to length of piston stroke. No affect on public health or safety. Related RO's: 81-026, 81-032, 81-040, 81-043, 81-051, 81-056, 81-059, 81-064, 81-074, 82-001, 82-008, 82-016, and 82-032.

0 9 | SYSTEM CODE: A D | CAUSE CODE: E | CAUSE SUBCODE: B | COMPONENT CODE: S U P P O R T | COMP. SUBCODE: D | VALVE SUBCODE: Z

17 | LER/RO REPORT NUMBER: 8 2 | SEQUENTIAL REPORT NO.: 0 3 7 | OCCURRENCE CODE: 0 3 | REPORT TYPE: L | REVISION NO.: 0 | ACTION TAKEN: B | FUTURE ACTION: 7 | EFFECT ON PLANT: 7 | SHUTDOWN METHOD: Z | HOURS: 0 0 0 0 | ATTACHMENT SUBMITTED: Y | NPRD-4 FORM SUB.: Y | PRIME COMP. SUPPLIER: A | COMPONENT MANUFACTURER: I I Z I O 7

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS

1 0 | Event #1: HOS-14 and MSS-29 were overextended due to thermal expansion. HOS-14 was removed from service, tested, no repair or repair parts required - ITT Grinnell, Type 200, 1 1/2 inch. MSS-29 was replaced with a tested spare snubber, ITT Grinnell, Type 200, 2 1/2 inch. Event #2: CRS-262 overextended due to thermal expansion. Removed, repaired, ITT Grinnell, Type 200, 2 1/2 inch. Event #3: MSS-29 overextension due to thermal expansion. No repair or repair parts required. MSS-258 overextended due to

1 5 | FACILITY STATUS: E | % POWER: 0 7 0 | OTHER STATUS: N/A | METHOD OF DISCOVERY: B | DISCOVERY DESCRIPTION: Surveillance Test

1 6 | ACTIVITY CONTENT RELEASED OF RELEASE: Z | AMOUNT OF ACTIVITY: N/A | LOCATION OF RELEASE: N/A

1 7 | PERSONNEL EXPOSURES NUMBER: 0 0 0 | TYPE: Z | DESCRIPTION: N/A

1 8 | PERSONNEL INJURIES NUMBER: 0 0 0 | DESCRIPTION: N/A

1 9 | LOSS OF OR DAMAGE TO FACILITY TYPE: Z | DESCRIPTION: N/A

2 0 | PUBLICITY ISSUED DESCRIPTION: N