

REPORT DATE: March 17, 1983

REPORTABLE OCCURRENCE 83-007

OCCURRENCE DATE: February 15, 1983

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. 50-267/83-007/03-L-0

Final

IDENTIFICATION OF
OCCURRENCE:

On February 15, 1983, at 1030 hours, with the plant operating at 38% reactor power and generating approximately 85 MWe, instrument power inverter 1B became inoperable while supplying power to non-interruptible 120V AC instrument bus #2. Since non-interruptible 120V AC instrument bus #2 was not energized from its backup power supply at the time, this event constitutes operation in a degraded mode of LCO 4.6.1.f) and is reportable per Fort St. Vrain Technical Specification AC 7.5.2(b)2.

EVENT
DESCRIPTION:

On February 15, 1983, at 1030 hours, with the plant operating at 38% reactor power and generating approximately 85 MWe, a fuse, internal to instrument power inverter 1B, blew and rendered the inverter inoperable. Non-interruptible 120V AC instrument bus #2, being energized by the 1B inverter at the time, became de-energized immediately.

With the loss of instrument bus #2, sufficient instrumentation and controls were lost to cause an automatic Loop 2 shutdown. A manual scram was inserted as a conservative measure, and personnel were dispatched to re-energize the bus from its backup power source. The bus was re-energized at 1042 hours.

The total duration of operation in a degraded mode of LCO 4.6.1.f) was approximately 30 seconds (the time between the loss of instrument bus #2 and the manual scram).

CAUSE
DESCRIPTION:

Component failure.

A blown 150 amp fuse, internal to instrument power inverter 1B, rendered the inverter inoperable.

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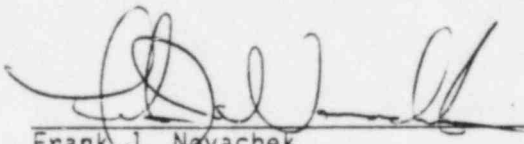
CORRECTIVE
ACTION:

The reactor was manually scrammed as a conservative measure.

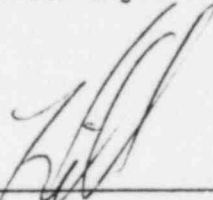
Non-interruptible 120V AC instrument bus #2 was re-energized by closing the bus-tie to interruptible 120V AC instrument bus #3.

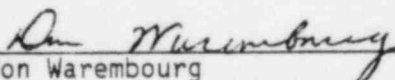
Instrument power inverter 1B was tested with no abnormalities observed. The blown fuse was replaced, and the inverter was returned to service.

No further corrective action is anticipated or required.

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