

# CATEGORY 1

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL: 50-397 WPPSS Nuclear Project, Unit 2, Washington Public Powe 05000397  
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SUBJECT: PNO-IV-94-022: on 940426, manual reactor trip occurred due to recirculation flow cycling. Licensee plans to remain shutdown & begin refueling outage 8 that was planned to start 940429.

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April 28, 1994

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE PNO-IV-94-022

This preliminary notification constitutes EARLY notice of events of POSSIBLE safety or public interest significance. The information is as initially received without verification or evaluation, and is basically all that is known by the Region IV staff on this date.

<u>Facility</u>	<u>Licensee Emergency Classification</u>
Washington Public Power Supply System	Notification of Unusual Event
Washington Nuclear 2	Alert
Richland, Washington	Site Area Emergency
Dockets: 50-397	General Emergency
	X Not Applicable

Subject: MANUAL REACTOR TRIP DUE TO RECIRCULATION FLOW CYCLING

On April 26, 1994, at 10:10 a.m. (PDT), with the reactor at approximately 50 percent power, licensed operators, as required by WNP-2 procedures, manually scrammed the reactor upon observing four power spikes of approximately 8 percent over a 1-minute interval on all channels of the average power range monitors. The operators had no indications, such as alarms from the advanced neutron noise analysis (ANNA) monitor, of flow instability (power oscillations). All safety systems functioned as expected upon the operators manually scramming the reactor. The licensee plans to remain shutdown and begin Refueling Outage 8 that was planned to start on April 29, 1994.

Subsequent licensee preliminary investigation of this event concluded that the power spiking resulted from erratic signals in the position feedback of recirculation Flow Control Valve (FCV) A. These signals caused the FCV to rapidly reposition, resulting in increased or decreased flows and power. From August 1993 and each occasion thereafter, when power was reduced to approximately 90 percent, the licensee had experienced erratic signals from the feedback circuitry of Flow Control Valve A. Erratic behavior of this circuitry had not previously been observed at any other power levels. The licensee had planned to repair this problem during the next forced outage requiring entry into containment.

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The state of Washington has been informed.

The licensee plans to make a press release within the next 24 hours. Region IV received notification of this occurrence by telecon from the licensee at approximately 10:45 a.m. (CDT). Region IV has informed NRR and PAO.

The resident inspectors will continue to follow the licensee's investigation and resolution of this event. This information is current as of April 26, 1994, at 1:30 p.m. (PDT).

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