

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-I-88-66

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 I staff on this date.

Facility:	Licensee Emergency Classification:
Public Service Electric & Gas	<u> X </u> Notification of Unusual Event
Salem Nuclear Generating Station	<u> </u> Alert
Unit 2	<u> </u> Site Area Emergency
Hancocks Bridge, New Jersey	<u> </u> General Emergency
Docket No. 50-311	<u> </u> Not Applicable

Subject: UNIT TRIP WITH SAFETY INJECTION ACTUATION

On June 22, 1988, the Unit 2 reactor tripped at 10:42 a.m. following the loss of the "C" vital instrument bus inverter. Loss of the inverter caused a low reactor loop flow trip due to loss of reactor coolant pump breaker open indication, and an inadvertent safety injection actuation occurred due to loss of power to 2 of 4 steam generator pressure instruments. The transmitters failed low in conjunction with a high steam flow signal generated during the trip transient, thereby initiating the main steam line break safety injection actuation logic.

Plant systems responded properly to the event and operators stabilized the plant in hot standby. The licensee declared an Unusual Event which was terminated at 11:15 a.m. on June 22, following termination of safety injection in accordance with emergency operating procedures. The licensee is investigating the cause of "C" inverter failure.

The resident inspectors are monitoring the licensee's trip response activities.

The State of New Jersey has been notified.

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