

Date: June 30, 1983

PRELIMINARY NOTIFICATION OF EVENT OR UNUSUAL OCCURRENCE--PNO-I-83-73

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: Vermont Yankee Nuclear Power Corp.	Licensee Emergency Classification:
Vermont Yankee Nuclear N.P.S.	<input checked="" type="checkbox"/> Notification of Unusual Event
Vernon, Vermont	<input type="checkbox"/> Alert
Docket No. 50-271	<input type="checkbox"/> Site Area Emergency
	<input type="checkbox"/> General Emergency
	<input type="checkbox"/> Not Applicable

Subject: REACTOR SCRAM - UNUSUAL EVENT DECLARATION

The reactor was operating at 100% full power on June 29, 1983 with Technical Specification logic testing in progress on residual heat removal (RHR) system logic train A. While attempting to back out of the surveillance test after discovering a logic relay that required repair, Instrument & Control (I&C) Technicians generated a spurious signal that caused both recirculation pump discharge valves to go closed at 2:37 p.m. Closure of the recirculation pump discharge valves caused both recirculation pumps to automatically trip and the reactor to enter the natural circulation mode of operation. Plant operators manually scrammed the reactor 24 seconds after the recirculation pump trip, in accordance with plant procedures and Technical Specification 3.6.J, which prohibit operation in natural circulation with the Mode switch in RUN.

Reactor vessel level decreased about 28 inches and then recovered due to the operating feedwater pump. Components in primary containment isolation groups 2 through 5 isolated when vessel level reached the low level trip setpoint on level channels A, C and D. No emergency core cooling systems were required to actuate. No equipment problems occurred. Reactor scram procedures were followed and the plant was stabilized in the hot shutdown condition at 2:50 p.m.

Plant operators declared an Unusual Event-Terminated Before Classification in accordance with the emergency plan at 2:54 p.m., based on the period of time the reactor operated in natural circulation with the mode switch in RUN. Notifications were made to the NRC Duty Officer and State and Local authorities. The emergency condition was ended at 3:31 p.m. The resident inspector responded to the control room at 2:47 p.m. to review plant status and the licensee's response to the event.

Following scram recovery, the licensee initiated actions to repair the RHR logic relay, conduct the logic surveillance test with the plant in hot shutdown and verify the proper setpoint for low reactor vessel water level trip channel B. The resident inspector will followup the licensee actions in these areas.

The State of Vermont has been informed. Notifications were made by the licensee when the Unusual Event was declared. The licensee has notified the news media. The NRC staff will respond to media inquiries.

CONTACT: William J. Raymond
802-257-4319

Steven Hudson
488-1120

Harry Kister
488-1233

8307060149 830630
PDR I&E
PNO-I-83-073 PDR

IE34
0/1

NRC Region I received notification of this occurrence by telephone from the resident inspector at 4:30 p.m. on June 29, 1983 and from the NRC HQ:DO based on the 10 CFR 50.72 notification made by the licensee at 3:03 p.m.

DISTRIBUTION:

H. St. _____	MNBB _____	Phillips <u>2:32 P.M.</u>	E/W _____	Willste _____	Mail: ADM:DMB
Chairman Palladino	EDO _____	NRR	IE _____	NMSS	DOT:Trans only
Comm. Gilinsky	PA		OIA	RES	
Comm. Ahearne	MPA		AEOD		
Comm. Roberts	ELD				
Comm. Asselstine		Air Rights	INPO----		
ACRS		SP	NSAC----		
SECY					
CA					
PDR		Regional Offices _____		TMI Resident Section <u>2:30 P.M.</u>	
				RI Resident Office <u>2:40 P.M.</u>	

Licensee: _____
(Reactor Licensees)