

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1): Trojan Nuclear Plant
DOCKET NUMBER (2): 0 8 1 0 0 0 3 1 4 1 4 1 OF 0 1 3

TITLE (4): Cognitive personnel errors in directing work resulted in an inadvertent reactor trip signal while shut down.

EVENT DATE (5)			LER NUMBER (6)		REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER (S)
07	13	89	89	013	00	08	14	89		0 8 1 0 0 0

OPERATING MODE (9): 4
POWER LEVEL (10): 0 1 0 0

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11):

<input type="checkbox"/> 20.400(a)	<input checked="" type="checkbox"/> 20.400(a)(1)	<input type="checkbox"/> 20.70(a)(1)(i)	<input type="checkbox"/> 20.71(a)
<input type="checkbox"/> 20.400(a)(1)(ii)	<input type="checkbox"/> 20.400(a)(2)	<input type="checkbox"/> 20.70(a)(1)(ii)	<input type="checkbox"/> 20.71(a)
<input type="checkbox"/> 20.400(a)(1)(iii)	<input type="checkbox"/> 20.70(a)(1)(iii)	<input type="checkbox"/> 20.70(a)(1)(iii)	<input type="checkbox"/> OTHER (Specify in Abstract below and in Text, NRC Form 305A)
<input type="checkbox"/> 20.400(a)(1)(iv)	<input type="checkbox"/> 20.70(a)(1)(iv)	<input type="checkbox"/> 20.70(a)(1)(iv)	
<input type="checkbox"/> 20.400(a)(1)(v)	<input type="checkbox"/> 20.70(a)(1)(v)	<input type="checkbox"/> 20.70(a)(1)(v)	

LICENSEE CONTACT FOR THIS LER (12):
NAME: Tyrone R. Blackburn, PRB Engineer
TELEPHONE NUMBER: 51013 51516-137113

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THE REPORT (13):

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14):
YES (If yes, complete EXPECTED SUBMISSION DATE) NO
EXPECTED SUBMISSION DATE (15):

ABSTRACT (Limit to 1000 words, i.e., approximately three page-long typewritten sheet) (16)

On July 13, 1989 final preparations were being made for entering Mode 4 following the refueling outage. The steam generator levels were below the low-low level trip due to a special evolution in progress to conduct boric acid crevice flushing of the steam generators. To allow the reactor trip breakers to be reset for breaker and cold rod drop testing, the doors to several of the reactor protection system racks were open to allow installation of adjustment potentiometers that provided simulated steam generator levels. Because trip breaker testing was completed, rod drop testing had been postponed, and it was desired that the rack doors be shut for entry into Mode 4, the Manager of Operations and Maintenance (O&M) directed the potentiometers be removed and the doors shut. When the test signals were removed the actual live signals resulted in a steam generator low-low level reactor trip signal causing the Reactor Trip breakers to open. The rods were not latched nor were the rod drive motor generators running. This event had no effect on the public health and safety.

The causes of this event were that both management and the technicians bypassed normal work control systems, and that inadequate controls were in place for the reactor protection racks. Corrective actions will be to develop controls for the reactor protection racks, and to issue a memorandum for all plant personnel regarding management and worker responsibilities and relationships.