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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION APPROVED OMB NO. 3150-0104

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)	PAGE (3)	
		YEAR SEQUENTIAL REVISION		
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ON 1-12-85 AT 1503 HOURS, WITH THE REACTOR IN MODE 2 (STARTUP) AND AT 2 PERCENT REACTOR THERMAL POWER, AN AUTOMATIC ENGINEERED SAFETY FEATURES (ESF) (JE) ACTUATION OCCURRED RESULTING IN A REACTOR TRIP. THE INITIATING EVENT WAS A LOW-LOW LEVEL IN STEAM GENERATOR 22.

DURING THE REACTOR COOLANT SYSTEM HEATUP A CONDENSER STEAM DUMP VALVE, URV-120, WAS ISOLATED DUE TO EXCESSIVE LEAKAGE. THIS WAS ACCOMPLISHED BY CLOSING THE HAND SHUTOFF VALVE, TBA-104-20. HOWEVER, DUE TO STEAM DUMP CONTROL (JI) PROBLEMS BEING EXPER-IENCED ONCE THE REACTOR WAS CRITICAL, THE DECISION WAS MADE TO RETURN THE ISOLATED STEAM DUMP VALVE TO SERVICE AND PLACE STEAM DUMP CONTROL IN AUTOMATIC. AN UNLICENSED AUXILIARY EQUIPMENT OPERATOR WAS DISPATCHED TO OPEN THE HAND SHUTOFF VALVE. THIS WAS DONE WITHOUT CONSIDERING THE FACT THAT URV-120 W/.S ALREADY OPEN TO THE POSITION DEMANDED BY THE STEAM DUMP CONTROLLER. COMMUNI-CATION BETWEEN THE DISPATCHED OPERATOR AND THE REACTOR OPERATOR IN THE CONTROL ROOM WAS DIFFICULT DUE TO THE HIGH NOISE LEVEL AT THE VALVE. AN INCREASE IN STEAM FLOW WAS THE FIRST INDICATION TO THE CONTROL ROOM OPERATOR THAT THE HAND VALVE WAS OPEN. THE REACTOR OPERATOR CORRECTLY REACTED TO THE INCREASED STEAM FLOW BY MANUALLY REDUCING THE STEAM DUMP DEMAND SIGNAL. DESPITE THIS EFFORT A STEAM FLOW TRANSIENT RESULTED, DECREASING STEAM GENERATOR LEVELS AND REACTOR COOLANT TEMPERATURES.

THE DECREASE IN STEAM GENERATOR LEVELS WAS FURTHER AMPLIFIED BY THE REQUIRED CORRECTIVE ACTION OF INCREASING THE FEEDWATER FLOW. THE COLD FEEDWATER, COMBINED WITH THE INCREASED STEAM GENERATOR PRESSURE (DUE TO REDUCED STEAM FLOW), RESULTED IN A "SHRINK" EFFECT WITHIN THE STEAM GENERATORS. THE LEVEL IN STEAM GENERATOR 22 REACHED THE LOW-LOW LEVEL SETPOINT WHICH RESULTED IN THE AUTOMATIC ESF ACTUATION AND SUBSEQUENT REACTOR TRIP. THE REACTOR TRIP AND AUTOMATIC ESF ACTUATION FUNCTIONED AS DESIGNED.

TO PREVENT RECURRENCE, THE SHIFT SUPERVISOR DISCUSSEL THIS EVENT WITH SHIFT PERSONNEL AND AN OPERATING MEMO WAS WRITTEN TO ALL OPERATORS DISCUSSING THIS EVENT.

IRC Form 366A