

NUCLEAR REGULATORY COMMISSION
 SHARED INFORMATION NETWORK
 OPERATIONS OFFICERS SUPPORT SYSTEM
 EVENT NOTIFICATION - POWER FACILITIES

P21 92002
 Publicly Available

EVENT NUMBER: 22657

FACILITY:	NORTH ANNA	EVENT DATE:	01/22/
UNIT NO:	1 2	EVENT TIME:	12:55
REGION:	2	NOTIFY DATE:	01/22/
DOCKET NO:	050-00338 050-00339 -	NOTIFY TIME:	16:27
LICENSE TYPE:	Power reactor	CALLER:	J R HA
STATE:	VA	OPS OFFICER:	JOHN M
EMERGENCY:	N/A Not applicable	NOTIFIED:	RDO P
LICENSE NO:	NPF 004		
LICENSEE:	VIRGINIA ELECTRIC POWER CO.		
REPORT REQUIRED BY:	INB 50.72 (b)(2)(iii)(B)		

UNIT	SCRAM CD	RX CRITL	INIT PWR	INIT RX MODE	CURR PWR	CURR RX
1	N	N	000	Mode 5 - Cold s	000	Mode 5 -
2	N	Y	096	Mode 1 - Power	096	Mode 1 -

DESCRIPTION TEXT

RESIDUAL HEAT REMOVAL (RHR) SYSTEM RELIEF VALVES WILL NOT PASS THEIR DESIGN BASIS FLOW RATES TO PROTECT RHR SYSTEM FROM OVERPRESSURIZATION WHEN IT IS UNISOLATED FROM THE REACTOR COOLANT SYSTEM (RCS) AT OR NEAR 350 DEGREES F. AN ENGINEERING EVALUATION PERFORMED IN RESPONSE TO WESTINGHOUSE LETTERS VRA 90-544 AND VRA 90-545 HAS DETERMINED THAT THE RHR SYSTEM RELIEF VALVES WILL NOT PASS THEIR DESIGN FLOW RATES TO PROTECT THE RHR SYSTEM FROM OVERPRESSURIZATION WHEN IT IS UNISOLATED FROM THE RCS AT OR NEAR 350 DEGREES F. THE RHR SYSTEM IS PROTECTED BY THE LOW TEMPERATURE OVERPRESSURE PROTECTION SYSTEM (LTOP) AT OR BELOW 261 DEGREES F FOR UNIT 1 AND 340 DEGREES F FOR UNIT 2. HOWEVER, BETWEEN 261 DEGREES F AND 350 DEGREES F FOR UNIT 1 AND BETWEEN 340 DEGREES F AND 350 DEGREES F FOR UNIT 2, THE RHR SYSTEM MAY NOT BE PROTECTED FROM OVERPRESSURIZATION DURING CHARGING/LETDOWN MISMATCH EVENTS. THIS POTENTIAL OVERPRESSURIZATION CONCERN EXISTS ONLY WHEN THE RHR SYSTEM IS ALIGNED TO THE RCS IN THE TEMPERATURE RANGES STATED ABOVE.

LICENSEE IS ISSUING A STANDING ORDER NOT TO PLACE UNIT 2 RHR SYSTEM INTO SERVICE UNTIL PLANT TEMPERATURE IS BELOW 340 DEGREES F. UNIT 1 PRESSURIZER CODE SAFETY VALVES ARE REMOVED AND SO ITS RHR SYSTEM CANNOT BE OVERPRESSURIZED AT THIS TIME. LICENSEE IS HAVING ENGINEERING LOOK AT THE LONG TERM ACTIONS. THIS MIGHT BE A GENERIC PROBLEM WITH OTHER WESTINGHOUSE PLANTS.

RESIDENT INSPECTOR WAS INFORMED BY THE LICENSEE.