

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

02 WITH THE REACTOR COOLANT SYSTEM IN MODE 5, WHILE IN THE PROCESS OF FILLING AND VENTING

03 THE REACTOR COOLANT SYSTEM AN APPARENT PRESSURIZER HEATUP TRANSIENT OCCURRED IN EXCESS

04 OF THE MAXIMUM 100°F/HR. ALLOWABLE HEATUP RATES PER TECHNICAL SPECIFICATION 3.4.9.2.

05 DURING THE TRANSIENT THE REACTOR COOLANT SYSTEM AVERAGE TEMPERATURE WAS APPROXIMATELY

06 175° AND THE PRESSURE WAS BEING INCREASED FROM 100 PSIG TO 325 PSIG FOR RUNNING OF THE

07 REACTOR COOLANT PUMPS. THE TRANSIENT OCCURRED DURING A RECOVERY OF A LOW PRESSURIZER

08 LEVEL. RELATIVELY COOL WATER (175°) WAS SURGING INTO THE PRESSURIZER FROM THE REACTOR

THE EVENT OCCURRED WHEN RECOVERING FROM A LOW PRESSURIZER LEVEL WHICH RESULTED FROM  
A RELATIVELY RAPID INCREASE IN REACTOR COOLANT SYSTEM PRESSURE WHICH CAUSED WATER TO  
BE DISPLACED FROM THE PRESSURIZER INTO THE STEAM GENERATOR TUBES DUE TO THE COMPRESSION  
OF THE AIR SPACE IN THE STEAM GENERATORS TO PREVENT RECURRENCE THE RATE AT WHICH  
THE PRESSURIZER PRESSURE IS INCREASED MUST BE KEPT TO WITHIN THE CAPABILITY OF THE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

COOLANT LOOP WHERE IT CONTACTED THE HOT PRESSURIZER METAL WHICH WAS AT APPROXIMATELY 400°F. THIS CAUSED AN INCREASE IN THE PRESSURIZER LIQUID TEMPERATURE OF APPROXIMATELY 130° OVER A 1-HOUR PERIOD. THIS INCREASE IN PRESSURIZER LIQUID TEMPERATURE WAS NOT A TRUE INDICATION OF CHANGES IN THE PRESSURIZER METAL TEMPERATURE. HAD PRESSURIZER METAL TEMPERATURE INDICATION BEEN AVAILABLE, A DECREASE IN METAL TEMPERATURE WOULD HAVE BEEN INDICATED. THEREFORE, THE APPARENT EXCESSIVE HEATUP RATE WAS IN REALITY A COOLDOWN OF THE PRESSURIZER AND THE PRESSURIZER HEATUP LIMIT WAS NOT VIOLATED. ADDITIONALLY, DURING PREOPERATIONAL TESTING VERIFYING PRESSURIZER HEATER CAPABILITY THE MAXIMUM HEATUP RATE ACHIEVED WITH ALL HEATERS IN SERVICE WAS 67.5°F/HOUR.

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

CHARGING PUMP TO MAINTAIN THE PRESSURIZER PROGRAMMED LEVEL. ALL LICENSED OPERATORS WILL BE REQUIRED TO REVIEW THIS EVENT TO AVOID IT BEING REPEATED IN THE FUTURE.