

P21 92255
Publicly Available

POWER REACTOR	EVENT NUMBER: 24696
FACILITY: SOUTH TEXAS UNIT: [1] [2] [] RX TYPE: [1] W-4-LP, [2] W-4-LP	REGION: 4 STATE: TX NOTIFICATION DATE: 12/03/92 NOTIFICATION TIME: 15:38 [ET] EVENT DATE: 12/02/92 EVENT TIME: 15:00 [CST] LAST UPDATE DATE: 12/03/92
NRC NOTIFIED BY: PINZON HQ OPS OFFICER: JOSEPH SEBROSKY	

EMERGENCY CLASS: NOT APPLICABLE 10 CFR SECTION: NLTR NLCO	LICENSEE 24 HR REPORT TECH SPEC LCO A/S	NOTIFICATIONS THOMAS WESTERMAN RDO
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UNIT	SCRAM CODE	RX CRIT	INIT PWR	INIT RX MODE	CURR PWR	CURR RX MODE
1	N	Y	100	POWER OPERATION	100	POWER OPERATION
2	N	N	0	COLD SHUTDOWN	0	COLD SHUTDOWN

EVENT TEXT

ERROR IN THE CALCULATION AFFECTING THE MAXIMUM PORV SETPOINTS FOR THE COLD OVERPRESSURE MITIGATION SYSTEM WAS DISCOVERED.

THE FOLLOWING IS THE TEXT FROM A FACSIMILE FROM THE LICENSEE:

"AT 1500 HOURS ON DECEMBER 2, 1992, WHILE REVIEWING A NUCLEAR NETWORK ITEM REGARDING A CALCULATION ERROR AFFECTING MAXIMUM PORV SETPOINTS FOR COLD OVERPRESSURE MITIGATION SYSTEM (COMS), IT WAS DETERMINED THAT THE SAME CONDITIONS EXISTED AT STPEGS. THE REACTOR COOLANT SYSTEM COMS ANALYSIS BY WESTINGHOUSE INDICATE THAT THE SETPOINT CURVE IN TECHNICAL SPECIFICATIONS IS NON-CONSERVATIVE AT STPEGS. COMS IS ONLY REQUIRED TO BE OPERABLE IN MODES 4 AND 5, AND MODE 6 WHEN THE HEAD IS ON THE REACTOR.

COMANCHE PEAK

THE NETWORK ENTRY DESCRIBED A CONDITION AT ANOTHER UTILITY, WHERE TWO DISCREPANCIES WERE NOTED WHICH AFFECT THE HEATUP AND COOLDOWN CURVES SHOWN IN THE PLANT TECHNICAL SPECIFICATIONS AND ALSO THE MAXIMUM PORV SETPOINTS FOR THE COMS. FOR LOW PRESSURE CONDITIONS, STPEGS, ALONG WITH THE UTILITY THAT GENERATED THE NETWORK ENTRY, USES WIDE RANGE PRESSURE TRANSMITTERS LOCATED ON THE HOT LEGS OF TWO OF THE FOUR COOLANT LOOPS TO ENSURE COMPLIANCE WITH THE HEATUP/COOLDOWN PRESSURE/TEMPERATURE CURVES. THESE TRANSMITTERS ARE ALSO USED FOR THE AUTOMATIC OPERATION OF THE COMS. IT HAS BEEN DETERMINED THAT THE PRESSURE DIFFERENCE BETWEEN THE WIDE RANGE PRESSURE INDICATION LOCATION AND THE REGION OF INTEREST FOR THE HEATUP/COOLDOWN CURVES HAD NOT BEEN CONSIDERED. FURTHER, THE DYNAMIC PRESSURE HAD BEEN NEGLECTED.

PH STPEGS PORVS IN BOTH UNITS HAVE ALWAYS BEEN SET WITHIN THE TECHNICAL SPECIFICATION SETPOINT CURVE AND STPEGS HAS BEEN IN COMPLIANCE WITH THE WRITTEN TECHNICAL SPECIFICATIONS THROUGHOUT. BECAUSE OF THE ERROR, COMS HAS BEEN TECHNICALLY INOPERABLE SINCE STARTUP OF EACH UNIT. AT STPEGS, ONE OF THE TWO PORV SETPOINTS HAS BEEN SET LOW ENOUGH TO HAVE PROVIDED ADEQUATE

OVERPRESSURE PROTECTION EVEN CONSIDERING THE CALCULATION ERROR.

THIS IS BEING REPORTED AS A VIOLATION OF THE PLANT OPERATING LICENSE NO
F-76(2G) SECTION 2.C(2) (24 HOUR REPORT).

A JUSTIFICATION FOR CONTINUED OPERATION (JCO) HAS BEEN INITIATED AND IS
SCHEDULED TO BE COMPLETED TODAY BY 1500 HOURS.

STPEGS IS CURRENTLY PERFORMING AN EVALUATION TO DETERMINE IF SUFFICIENT
MARGIN EXISTS TO RESOLVE THIS ISSUE. BASED ON THIS EVALUATION, STPEGS MAY
RETRACT THIS NOTIFICATION AT A LATER DATE." END OF TEXT.

UNIT 2 IS CURRENTLY IN A TECH SPEC ACTION STATEMENT (3.4.9.3) BECAUSE OF
THE PROBLEM WITH THE PORV SETPOINTS. THE TECH SPEC STATES THAT WITH 1 PORV
INOPERABLE IN MODE 5 OR 6, WITH THE HEAD ON THE REACTOR, RESTORE THE
INOPERABLE PORV TO OPERABLE STATUS WITHIN 24 HOURS OR COMPLETE
DEPRESSURIZATION OR VENTING OF THE RCS.

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR.
