

LICENSEE: ENTERGY OPERATIONS INC.
SITE: GRAND GULF 1 EN NUMBER: 26399
DOCKET: 05000416 EVENT DATE: 11-22-93
RX TYPE: BWR EVENT TIME: 09:30
VENDORS: GE-6 NOTIFY DATE: 11-22-93
EMERGENCY CLASS: N/A REGION: 2 STATE: MS TIME: 11:44
OPS OFFICER: JOSEPH SEBROSKY
10 CFR SECTION: AIND 50.72(b)(2)(iii)(D) ACCIDENT MITIGATION
UNIT SCRAM RX INIT INITIAL MODE CURR CURRENT MODE
CODE CRIT PWR PWR
1 N N 0 COLD SHUTDOWN 0 COLD SHUTDOWN

A HIGH PRESSURE CORE SPRAY (HPCS) VALVE FAILED WHILE THE VALVE WAS BEING TESTED.

THE HPCS SYSTEM TEST RETURN LINE ISOLATION VALVE TO THE CONDENSATE STORAGE TANK (E22F011) FAILED WHEN THE VALVE WAS BEING STROKED CLOSED. THE VALVE YOKE BROKE WHEN THE VALVE WAS BEING CLOSED FOR STROKE TIME TESTING.

AN UPSTREAM VALVE WAS CLOSED AT THE TIME SO THE FAILURE OF THE VALVE DID NOT RESULT IN ANY LOSS OF WATER FROM THE SYSTEM. THE HPCS SYSTEM WAS ALREADY DECLARED INOPERABLE FOR UNRELATED WORK. THE LICENSEE CURRENTLY HAS LOW PRESSURE CORE SPRAY AND RHR LOOP 'A' OPERABLE TO MEET THEIR TECHNICAL SPECIFICATION REQUIREMENTS.

THE LICENSEE IS STILL INVESTIGATING THE CAUSE OF THE FAILURE. A PRELIMINARY INVESTIGATION SHOWED THAT THE VALVE DISC WAS SEPARATED FROM THE VALVE STEM. (THE VALVE IS A GLOBE VALVE AND THE LICENSEE DID NOT KNOW THE NAME OF THE MANUFACTURER OF THE VALVE AT THE TIME OF THIS REPORT.) THE LICENSEE SUSPECTS THAT THE DISC BECAME COCKED DURING THE CLOSING CYCLE WHICH RESULTED IN AN OVER STRESS CONDITION ON THE VALVE YOKE. THERE ARE TWO SIMILAR VALVES IN THE PLANT WHICH ARE BOTH IN THE HPCS SYSTEM.

THE LICENSEE HAS INFORMED THE RESIDENT INSPECTOR.