

LICENSEE: HOUSTON LIGHTING & POWER CO.

SITE: SOUTH TEXAS 1 2

EN NUMBER: 25804

DOCKET: 05000498 05000499

EVENT DATE: 07-19-93

RX TYPE: PWR PWR

EVENT TIME: 00:00

VENDORS: W-4-LP W-4-LP

NOTIFY DATE: 07-19-93

EMERGENCY CLASS: N/A REGION: 4 STATE: TX

TIME: 16:43

OPS OFFICER: GREG SCARFO

10 CFR SECTION: CDEG 21.21(c)(3)(i)

DEFECTS/NONCOMPLIANCE

UNIT SCRAM RX INIT INITIAL MODE

CURR CURRENT MODE

CODE

CRIT

PWR

PWR

1 N N 0 COLD SHUTDOWN

0 COLD SHUTDOWN

2 N N 0 REFUELING

0 REFUELING

LIMITORQUE CORPORATION REPORTED THAT A DEFECT IN THE COMPOSITION OF THE BASE MATERIAL (METAL) OF THE WORM SHAFT CLUTCH OF SMB/SB/SBD SIZE 1 VALVES RESULTS IN BRITTLE FAILURE MECHANISM OF THE LUGS (WHICH ALLOW OPERATION OF THE VALVE ACTUATOR BY ENGAGING THE WORM GEAR SET).

THE FOLLOWING IS THE TEXT OF A FACSIMILE SUBMITTED BY THE LICENSEE:

"LIMITORQUE IS SUBMITTING AN INTERIM REPORT RELATIVE TO THE SUBJECT EVALUATION. HOUSTON LIGHTING AND POWER, SOUTH TEXAS PROJECT, RETURNED AN SMB/SB/SBD, SIZE 1, WORM SHAFT CLUTCH (#60-501-0012-1) TO LIMITORQUE THAT HAD ONE OF THE TWO MOTOR-DRIVEN LUGS SEPARATED FROM THE COMPONENT.

THE COMPONENT WAS METALLURGICALLY ANALYZED AND IT WAS DETERMINED THAT THE BASE MATERIAL WAS HIGHER IN CARBON CONTENT THAN REQUIRED FOR THE HEAT TREATMENT PROCESS UTILIZED. THIS RESULTED IN A BRITTLE FAILURE MECHANISM.

LIMITORQUE REQUESTED SAMPLES FROM HOUSTON LIGHTING AND POWER TO DETERMINE THE POTENTIAL OF ADDITIONAL OCCURRENCES. A QUANTITY OF FIVE ADDITIONAL COMPONENTS HAVE BEEN RECEIVED AND WILL BE METALLURGICALLY ANALYZED.

LIMITORQUE WILL REPORT THE RESULTS OF THE ADDITIONAL ANALYSIS NO LATER THAN AUGUST 18, 1993."
END OF TEXT.