

LICENSEE: GPU NUCLEAR CORP.
SITE: THREE MILE ISLAND 1 EN NUMBER: 26376
DOCKET: 05000289 EVENT DATE: 11-13-93
RX TYPE: PWR EVENT TIME: 01:50
VENDORS: B&W-L-LP NOTIFY DATE: 11-17-93
EMERGENCY CLASS: N/A REGION: 1 STATE: PA TIME: 12:08
OPS OFFICER: RUDY KARSCH
10 CFR SECTION: AINA 50.72(b)(2)(iii)(A) POT UNABLE TO SAFE SD
AIND 50.72(b)(2)(iii)(D) ACCIDENT MITIGATION
UNIT SCRAM RX INIT INITIAL MODE CURR CURRENT MODE
CODE CRIT PWR PWR
1 N Y 100 POWER OPERATION 0 COLD SHUTDOWN

THIS EVENT WAS DETERMINED TO BE REPORTABLE AT 1135 EST ON
11/17/93.

AT LEAST TWO LIMITORQUE VALVE OPERATORS RENDERED INOPERABLE DUE
TO AN IMPROPERLY INSTALLED MODIFICATION.

BASED ON INFORMATION FROM LIMITORQUE THE LICENSEE MADE
MODIFICATIONS TO THE DECLUTCH LEVERS ON VALVE OPERATOR MODELS
SMB000 AND SMB00 TO CORRECT A SEISMIC CONCERN. DURING
REPLACEMENT OF THE LEVERS THE MECHANIC DROVE THE LEVER ONTO THE
SHAFT WHICH DISLODGED THE TRIPPER FINGERS. NO POST MAINTENANCE
TEST WAS PERFORMED ON THE VALVES. SUBSEQUENT OPERATION REVEALED
PROBLEMS WITH TWO SAFETY RELATED VALVES, "NRC1C" (COOLING FOR
VARIOUS PUMPS AND MOTORS) AND "EFV1A" (SUCTION CROSS CONNECT FOR
EMERGENCY FEED WATER). IF THE VALVES WERE OPERATED MANUALLY THEY
THEN COULD NOT BE OPERATED ELECTRICALLY.

THESE TWO VALVES ARE PART OF A GROUP OF EIGHT VALVES WHICH WERE
MODIFIED WHILE THE PLANT WAS AT POWER. TWENTY-TWO VALVES HAD
BEEN MODIFIED PREVIOUSLY WHILE THE PLANT WAS IN ITS REFUELING
OUTAGE. THE GROUP OF EIGHT VALVES HAVE BEEN CHECKED AND ARE NOW
OPERABLE. THE LICENSEE IS IN THE PROCESS OF CHECKING THE GROUP
OF TWENTY-TWO FOR PROBLEMS. THE LICENSEE IS FOLLOWING UP WITH
LIMITORQUE AND HAS INFORMED THE NRC RESIDENT INSPECTOR.