



- NOTES:
1. ALL EQUIPMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY IN21 UNLESS OTHERWISE NOTED.
 2. ALL INSTRUMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY IN21 UNLESS OTHERWISE NOTED.
 3. ALL VENDOR SUPPLIED LINES ARE EITHER MANIFOLDS OR TUBING.
 4. ALL PRESSURE GAUGES ARE EQUIPPED WITH GAUGE SNUBBERS.
 5. ALL RESTRICTING ORIFICES SHOWN ON SAMPLE PORTS ARE SAMPLE PORT SNUBBERS.
 6. PRESSURE TO CLOSE.
 7. TYPE AB VALVES ARE AUTOMATIC AIR BLEED.
 8. SEE M-012.1 SERIES DRAWINGS FOR VENDOR DRAWINGS.

- REFERENCE DRAWINGS:
1. M-012.1-NIN21A001A-N-1.4-003 FOR ELECTRICAL CONNECTIONS TO HPU CONTROL.
 2. M-012.0-NIN21C004A-N-1.5-011 FOR RFP T SCHEMATIC.
 3. M-012.1-NIN21F519A-N-1.4-1 FOR ELECTRICAL CONNECTIONS TO CONTROL VALVE ACTUATOR.

COMPONENTS SUBJECT TO AMR						
NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
002	AS-BUILT PER DRN 8798	WE	N/A	N/A	dh	6-10-04
001	AS-BUILT PER ER 97/0561	C	N/A	N/A	WE	6-17-98
000	AS-BUILT PER DCP 91/0088-2, CN 93/0090, CN 93/0198 AND CN 93/0150.	SP	N/A	N/A	EW	11-20-90

GRAND GULF NUCLEAR STATION
 UNIT 1
 NUCLEAR PLANT ENGINEERING

UPDATED FINAL SAFETY ANALYSIS REPORT
 FIGURE NUMBER - 10.4-013B

P & ID
 GGNS RFP T EHC SYSTEM
 HYDRAULIC POWER UNIT (HPU)

SCALE: NONE DRAWING No. M-1054B REV. 002

NON-SAFETY RELATED SYSTEMS & COMPONENTS AFFECTING SAFETY RELATED SYSTEMS AMM20

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
REVISIONS						
LRA-M-1054B						
DRAWING: m1054b.dgn						
INTERFILE						