



- NOTES:
1. ALL INSTRUMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY 1P42 UNLESS OTHERWISE NOTED.
 2. ALL EQUIPMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY 1P42 UNLESS OTHERWISE NOTED.
 3. THIS P&ID IS NOT "Q" LISTED. "Q" IDENTIFICATION IS FOR MINOR AREAS ONLY, AS SHOWN.
 4. HOSE CONNECTION SCREWED TO ACCOMMODATE STANDARD 2 1/2" FIRE HOSE.
 5. ALL PIPING 2" & SMALLER IS CLASSIFIED AS A III-"H" RADIATION LEVEL.
 6. ALL START-UP STRAINERS TO BE REPLACED BY RING SPACERS IN ACCORDANCE WITH THE LATEST REVISION TO 9645-MS-03 GENERAL NOTE 17.
 7. FIS WITH $\sqrt{\quad}$ SYMBOL DENOTES SQUARE ROOT SCALE ONLY.
 8. A REMOVABLE SPOOL-PIECE IS PROVIDED FOR ACCESS TO THE FLOW POINT CONNECTION.
 9. SEE MS-02 FOR THE DESIGN PRESSURE UPGRADE OF SERVICE LINE 1" JBO-871.

- COMPONENTS SUBJECT TO AMR
- STANDBY SERVICE WATER SYSTEM AMM12
 - NON-SAFETY RELATED SYSTEMS & COMPONENTS AFFECTING SAFETY RELATED SYSTEMS AMM20
 - FUEL POOL COOLING AND CLEANUP SYSTEM AMM21
 - COMPONENT COOLING WATER SYSTEM AMM28
 - PLANT SERVICE WATER SYSTEM AMM29

NO.	REVISION	DATE	BY	CHK	APP	DATE	
031	AS-BUILT PER DRN 04-1337, & DRN 97-241, REF. CR 2004-3270 CASE REF. ER 96/0166-1		WE	N/A	N/A	SP	12-15-04
030	AS-BUILT PER DRN 8410		WE	N/A	N/A	SP	6-24-03
029	AS-BUILT PER DRN 7175		WE	N/A	N/A	SP	9-20-00
028	AS-BUILT PER DRN 7117		WE	N/A	N/A	SP	6-15-00

GRAND GULF NUCLEAR STATION
 UNIT 1
 NUCLEAR PLANT ENGINEERING
UPDATED FINAL SAFETY ANALYSIS REPORT
 FIGURE NUMBER - 9.2-009
 P & I DIAGRAM
 COMPONENT COOLING WATER SYSTEM

SCALE: NONE
 DRAWING NO. M-1063A
 REV. 031

MPL No. 1P42 1015M
 DFN: m1063a.dgn

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
REVISIONS						
LRA-M-1063A						
CAD FILE: m1063a.dgn						
MASTER FILE:						

2164