



- NOTES:
- FOR OTHER NOTES SEE DRAWING M-0033A.
 - ALL BECHTEL SUPPLIED PIPING AND VALVES TO BE LOCATED BEHIND CABINETS WITH THE EXCEPTION OF 3" LONG NIPPLES FOR CONNECTIONS TO VENDOR SUPPLIED PIPING.
 - DELETED.
 - EQUIPMENT SUPPLIED BY MP&I.
 - THROTTLE AS NECESSARY TO PREVENT PUMP CAVITATION.
 - DELETED.
 - DELETED.
 - DELETED.
 - VALVES F402 AND F404 SHALL BE SANDERS PATENT TEFLON DIAPHRAGM VALVE (PPL LINED) AIR TO OPEN, SPRING TO CLOSE. VALVES F403 AND F405 SHALL BE DOW HORIZONTAL CHECK VALVES (PPL LINED). VALVES F401 AND F403 SHALL BE SANDERS PATENT WER TYPE TEFLON DIAPHRAGM VALVES (PPL LINED). BECHTEL CONSTRUCTION TO PROCEED.
 - FOR ACID STORAGE AND TRANSFER SYSTEM SEE DRAWING M-0033G.

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP	DATE
049	AS-BUILT PER CR 2006-0029 CAIG2	WE	N/A	N/A	LS	For	6-27-2009
048	AS-BUILT PER DRN 04-1283 REF. CR-GON-2004-3278 CA63	WE	N/A	N/A	SIP	For	2-05-05

GRAND GULF NUCLEAR STATION
UNIT 1
NUCLEAR PLANT ENGINEERING

UPDATED FINAL SAFETY ANALYSIS REPORT
FIGURE NUMBER - 9.2-012

P & I DIAGRAM
MAKEUP WATER TREATMENT SYSTEM

SCALE: NONE DRAWING No. M-0033B REV. 049

MPL NO. SP21 1015M HYBRID DFN: m0033b.dgn

COMPONENTS SUBJECT TO AMR

COMPONENTS SUBJECT TO AMR	CONTAINMENT PENETRATIONS AM07	NON-SAFETY RELATED SYSTEMS & COMPONENTS AFFECTING SAFETY RELATED SYSTEMS AM20
049	WE	N/A
048	WE	N/A

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
REVISIONS						
LRA-M-0033B						
001	9-29-2011					



10108