



- NOTES:**
1. ALL EQUIPMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY NRG6 UNLESS OTHERWISE NOTED.
 2. ALL INSTRUMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY NRG6 UNLESS OTHERWISE NOTED.
 3. INSTALL ALL AIR OPERATED VALVES WITH THE FLOW OVER THE SEAT UNLESS OTHERWISE NOTED. INSTALL VALVES F001, F002, F003, F005, F007, F004, F020, AND F023 WITH FLOW UNDER THE SEAT.
 4. AIR OPERATED VALVES ARE SHOWN IN FILTERING PROCESS STATUS AND ARE TO FAIL CLOSE ON LOSS OF AIR PRESSURE TO VALVE OPERATOR OR LOSS OF ELECTRICAL POWER TO VALVE.
 5. DELETED.
 6. DELETED.
 7. ASME SECTION III, CLASS 3 PIPING CLASSIFIED AS NON-O, NON-SEISMIC CATEGORY I, WILL NOT REQUIRE AN "M" STAMP.
 8. ALL PIPING 2" & SMALLER IS CLASSIFIED AS A 1-E, B-A" OR B-B" RADIATION LEVEL.
 9. FOLLOWING STARTUP AND REMOVAL OF STRAINER D021 INSERT SPOOL PIECE CONTAINING DRESSER COUPLING D041.
 10. BLIND FLANGE CLEANING RECIRC CONNECTIONS SHALL BE PROVIDED WITH HUBED FACE FLANGES.
 11. START-UP STRAINERS SHALL BE REPLACED BY RING SPACERS IN ACCORDANCE WITH THE LATEST REVISION OF 9845-M8-03 GENERAL NOTE 17.
 12. DELETED.
 13. CHECK VALVE F078 IS TO BE LOCATED IN A VERTICAL LEG OF PIPING AS NEAR AS POSSIBLE TO THE NOZZLE OF THE BACKWASH RECEIVING TANK.
 14. FLEXIBLE CONNECTION IS INSTALLED TO PROVIDE A METHOD FOR REMOVAL OF THE MILLIPORE FILTER. FLEXIBLE CONNECTION IS TO BE FIELD PURCHASED AND INSTALLED. MATERIAL IS TO BE TYPON TUBING OR APPROVED EQUIVALENT. FLEXIBLE CONNECTION IS TO MEET THE OPERATING CONDITIONS OF THIS SYSTEM.

033	AS-BUILT PER EC 19864	WE	N/A	N/A	SP	THT	2-5-10
032	AS-BUILT PER CMO CORRECTED ER NUMBER TO ER 2001-0017-000-00 LISTED AT REL 31	WE	N/A	N/A	BA	HDB	6-5-92
031	AS-BUILT PER ER 2001-0017-000-00	WE	N/A	N/A	BA	HDB	5-1-82
030	AS-BUILT PER ER 2000-0193-000-00, ER CN *1	WE	N/A	N/A	BA	HDB	1-31-82

GRAND GULF NUCLEAR STATION
 UNIT 1
 NUCLEAR PLANT ENGINEERING
UPDATED FINAL SAFETY ANALYSIS REPORT
 FIGURE NUMBER - 5.4-025

P & I DIAGRAM
FILTER/DEMINERALIZER SYSTEM (RWCU)

SCALE: NONE DRAWING No. M-1080A REV. 033

MPL No. 1G361015M HYBRID DFN: m1080a.dgn

COMPONENTS SUBJECT TO AMR
 NON-SAFETY RELATED SYSTEMS & COMPONENTS AFFECTING SAFETY RELATED SYSTEMS AMM20

NO.	DATE	DESCRIPTION	BY	ENG	CHK	APP
REVISIONS						
LRA-M-1080A						

CAD FILE: m1080a.dgn
 BASTER FILE

10/13/2011