



- NOTES:**
1. ALL EQUIPMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY NIN33 UNLESS OTHERWISE NOTED.
  2. ALL INSTRUMENT NUMBERS ON THIS DRAWING ARE PREFIXED BY IN33 UNLESS OTHERWISE NOTED.
  3. REFER TO A-CPSI DRAWING NUMBER 7153-90479 (SEAL STEAM DIAGRAM) AND 7153-90579 (TURBINE DRAINAGE DIAGRAM) FOR ARRANGEMENT AND SIZES OF VENDOR PIPING.
  4. ARRANGEMENT OF REACTOR FEED PUMP TURBINE VENDOR SEAL STEAM PIPING IS DIAGRAMMATIC ONLY.
  5. PIPES FEEDING STEAM TO SEAL STEAM SYSTEMS SHOULD BE PITCHED 1/4" PER FOOT, MINIMUM TOWARD THE SOURCE OF STEAM (MAIN OR AUXILIARY STEAM).
  6. REFER TO A-CPSI DRAWING NUMBER 7153-90479 (SEAL STEAM DIAGRAM).
  7. ALL PIPING 2" AND SMALLER IS CLASSIFIED AS 1"-E", 11"-D" OR 11"-B" RADIATION LEVEL.
  8. PIPING SHOULD BE ROUTED VIA THE SHORTEST WAY TO THE CONDENSER, 1/4" PER FOOT SLOPE TO BE PROVIDED FOR THE PIPING.
  9. REFER TO M-1053C FOR PHYSICAL ARRANGEMENT OF DRAIN LINES ON CONDENSER MANIFOLD. THE ASSOCIATED DRAIN LINE IS LOCATED ON CONDENSER MANIFOLD CORRESPONDING TO:
    - a. CONDENSER CONNECTION NO. 140
    - b. CONDENSER CONNECTION NO. 142
    - c. CONDENSER CONNECTION NO. 143
  10. VALVE F040 TO BE LOCKED OPEN DURING NORMAL OPERATION FOR OVER PRESSURE PROTECTION OF THE SEAL STEAM CONDENSER.
  11. RESTRICTING ORIFICE MUST BE LOCATED AS CLOSE AS POSSIBLE TO THE H.P. CONDENSER.
  12. A-CPSI AND GE EQUIP. NUMBERS ARE SHOWN IN PARENTHESES.
  13. LOCATE BLOWDOWN VALVE F321 NEAR TO SEAL STEAM GENERATOR IN PROXIMITY TO LEVEL GAGE LG-R004.
  14. FOR IH22-P171/P172 INFO SEE DNG. J-9018 SERIES.
  15. LEVEL PROBE ANNUNCIATORS MAY BE DISABLED PER GGNS-DCS-11. FOR CURRENT CONFIGURATION, SEE APPLICABLE AFFECTED DRAWINGS IDENTIFIED IN APPENDIX C OF GGNS-DCS-11.
  16. PERMANENT BLANK
  17. VALVES IN33F078A, IN33F078B, IN33F078C, IN33F078D, IN33F300A, IN33F300B, IN33F300C, IN33F004 & IN33F177 HAVE A 1/2" HBD-1136 SEAL WATER LINE (REF. M-1053E (A-S) N19 SOI).

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

834	AS-BUILT PER EC 7838	WC	N/A	N/A	SP	MM	5-16-08
REVISIONS							
GRAND GULF NUCLEAR STATION UNIT 1 NUCLEAR PLANT ENGINEERING							
<b>UPDATED FINAL SAFETY ANALYSIS REPORT</b> FIGURE NUMBER - 10.4-003							
P & I DIAGRAM MAIN AND R.F.P. TURBINE SEAL STEAM AND DRAINS SYSTEM-UNIT 1							
SCALE	DRAWING No.	REV.					
NONE	M-1057A	034					

NO	DATE	DESCRIPTION	BY	ENGR	CHK	APP
REVISIONS						
<b>LRA-M-1057A</b>						
CAD FILE: m1057a.DGN						
MASTER FILE						