



LR NOTES:

A. FOR GENERAL LICENSE RENEWAL NOTES REFER TO LR-M001-01.

B. COMPONENTS BEYOND THE HIGHLIGHTING ARE IN THE CONDENSATE DEMINERALIZER SYSTEM, WHICH IS LOCATED IN THE TURBINE BUILDING, WHERE (A)2 NSAS CONSIDERATIONS ARE NOT A CONCERN, AND ARE THEREFORE NOT IN THE SCOPE OF LICENSE RENEWAL.

C. UPDATED BN BOUNDARY IS AT THE INDICATED LOCATION, AS SHOWN ON P&ID M-039A REV. 3.

- NOTES:**
1. POSITIONABLE COMPONENTS FOR THIS SYSTEM ARE SHOWN IN AN ACCEPTABLE LINE UP. THE ACTUAL FIELD LINE UP MAY VARY AND IS CONTROLLED BY PROCEDURES.
 2. FOR GENERAL NOTES, PIPING SYMBOLS AND P&ID INDEX SEE DRAWING M-001.
 3. FOR INSTRUMENTATION SYMBOLS SEE DRAWING M-002.
 4. DELETED.
 5. UNLESS OTHERWISE NOTED ALL VENT CONNECTIONS ARE 3/4" DRAIN CONNECTIONS 1". SAMPLE CONNECTIONS ARE 3/4" TO FIRST ISOLATION VALVE THEN 3/8" S.S. TUBING, LINE IDENT. SAME AS HEADER.
 6. FOR WASTE EVAPORATOR INSTRUMENTATION AND DETAILS, SEE BECTEL DRAWING 7749-M-266-5 (ANF DRAWING 154-003-E-004).
 7. DELETED.
 8. THE WASTE EVAPORATOR PACKAGE, MISCELLANEOUS WASTE EVAPORATOR STORAGE TANK, AND EVAPORATOR STORAGE TANK PUMPS ARE ALL LOCATED IN HEATED AREAS.
 9. ALL PIPING AND VALVES WHICH CARRY CONCENTRATED EVAPORATOR BOTTOMS AND WHICH ARE OUTSIDE HEATED AREAS WILL HAVE REDUNDANT HEAT TRACING.
 10. ALL MANUAL PROCESS VALVES IN HSC PIPING LOCATED INSIDE RADIOACTIVE AREAS WILL HAVE REMOTE OPERATORS LOCATED OUTSIDE OF THE RADIOACTIVE AREA.
 11. THE PIPING TO DE-380 MUST BE RUN SO THAT NO AIR POCKETS CAN FORM.
 12. THE ONLY VENT OR DRAIN LINE CAPS REQUIRED TO BE SHOWN ON PIPING AND INSTRUMENTATION DIAGRAMS ARE THOSE CONTROLLED UNDER 05-00000 (FORMERLY 00183-03). THE ACTUAL TERMINATION OF ALL OTHER VENTS OR DRAINS ARE NOT SHOWN AND INSTEAD, AN OPEN ENDED PIPE IS DISPLAYED.
 13. FOR COMPLETE DETAILS OF WASTE EVAPORATOR PACKAGE SEE VENDOR DRAWING 7749-M-266-5.
 14. NMI569 ABANDONED IN PLACE.
 15. DELETED.
 16. WHERE NOTED, TANK CAPACITY IS NOMINAL, WHERE APPLICABLE, SEE DB-PF-06705 (TANK LEVEL CALIBRATION CURVES) FOR INDICATED LEVEL VS. VOLUME RELATIONSHIP. (REF: PCADR 96-0976)
 17. DM950 IS DISABLED CLOSED AND ISOLATES THE ABANDONED PRIMARY WATER SYSTEM. REFERENCE M05-0050.
 18. SOME VALVES NUMBERED WITH A "PW" DESIGNATION (I.e., PW32) ARE BEING USED TO SUPPLY DEMINERALIZED WATER. REFERENCE M05-0050.
 19. PIPING DOWNSTREAM OF WH141 IS "ABANDONED IN PLACE". A 1/2" THICK BLANK PLATE INSERTED BETWEEN FLANGES DOWNSTREAM OF WH141 ISOLATES THE PRIMARY WATER STORAGE TANK FROM MISCELLANEOUS WASTE PIPING. REFERENCE M05-0050.

LICENSE RENEWAL BOUNDARY DRAWING
LR-M039A REV. 3

SYSTEMS SHOWN ON THIS DRAWING:
 00: MAIN STEAM
 10: MAKEUP & PURIFICATION
 13: COMPONENT COOLING & DEMINERALIZED WATER STORAGE
 15: SPENT FUEL COOLING & CLEANUP
 20: STATION PLUMBING, DRAINS & BUMPS
 23: SAMPLING
 24: NONHAZARDOUS AFFECTING SAFETY
 25: BORON RECOVERY

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 UNIT NO. 1
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PIPING & INSTRUMENT DIAGRAM
MISCELLANEOUS LIQUID
RADIOACTIVE WASTE

JOB NO.	DRAWING NO.	REV.
12501	M-039A	33

JOB NO.	DRAWING NO.	REV.
12501	M-039A	33

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