



- 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 DWG. M-001.
 3. FOR INSTRUMENTATION SYMBOLS SEE DWG. M-002.
 4. ALL PIPING AND VALVES CARRYING CONCENTRATED BORIC ACID OUTSIDE HEATED AREA TO HAVE REDUNDANT HEAT TRACING.
 5. UNLESS OTHERWISE NOTED, ALL VENT CONNS. ARE 3/4" AND DRAIN CONNS. 1" LINE. IDENT. SAME AS HEADER.
 6. DELETED
 7. FOR HEAT TRACING INSTR. AND DETAILS SEE THERMOM DWG. 74-147A.
 8. THE ONLY VENT OR DRAIN LINE CAPS REQUIRED TO BE SHOWN ON PIPING AND INSTRUMENTATION DIAGRAMS ARE THOSE CONTROLLED UNDER 05-00-0005 (FORMERLY 05-03-03). THE ACTUAL TERMINATION OF ALL OTHER VENTS OR DRAINS ARE NOT SHOWN AND INSTEAD, AN OPEN ENDED PIPE IS DISPLAYED.
 9. WHERE NOTED THE TANK CAPACITY IS NOMINAL. WHERE APPLICABLE, SEE DB-PF-06705 (TANK LEVEL CALIBRATION CURVES) FOR INDICATED LEVEL VS. VOLUME RELATIONSHIP. (REF: P&ID 96-0976).

LR NOTES:

A. FOR GENERAL LICENSE RENEWAL NOTES SEE LR-M001-01.

LICENSE RENEWAL BOUNDARY DRAWING
LR-M045 REV. 3

SYSTEMS SHOWN ON THIS DRAWING:
 00: MAIN STEAM
 10: MAKEUP & PURIFICATION
 15: COMPONENT COOLING & DEMINERALIZED WATER STORAGE
 18: SPENT FUEL COOLING & CLEANUP
 22: SAMPLING
 24: NON-SAFETY AFFECTING SAFETY
 26: BORON RECOVERY

BECHTEL COMPANY
 GAITHERSBURG, MARYLAND

DAVIS-BESSE NUCLEAR POWER STATION
 THE TOLEDO EDISON COMPANY
 THE CLEVELAND ELECTRIC ILLUMINATING COMPANY

PIPING & INSTRUMENTATION
CHEMICAL ADDITION SYSTEMS

JOB No.	DRAWING No.	REV
7749	M-045	58

DATE: 08-03-09-12 14 34/44 E SIZE
 PDC 11

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