



- NOTES:
- FOR GENERAL NOTES, PIPING SYMBOLS AND P & ID INDEX SEE DWG. M-001.
 - FOR INSTRUMENTATION SYMBOLS SEE DWG. M-002.
 - POSITIONABLE COMPONENTS FOR THIS SYSTEM ARE SHOWN IN AN ACCEPTABLE LINE UP. THE ACTUAL FIELD LINE UP MAY VARY AND IS CONTROLLED BY PROCEDURES.
 - DELETED
 - UNLESS OTHERWISE NOTED, ALL VENT CONNECTIONS ARE 3/4\"/>
 - ALL MANUAL PROCESS VALVES IN HSC PIPING INSIDE RADIOACTIVE AREA WILL HAVE REMOTE OPERATORS LOCATED OUTSIDE OF THE RADIOACTIVE AREA.
 - THE CONCENTRATES DEMINERALIZER, CONCENTRATES STORAGE TANK AND CONCENTRATES TRANSFER PUMPS ARE LOCATED IN HEATED AREAS.
 - ALL PIPING AND VALVES WHICH CARRY CONCENTRATED EVAPORATOR BOTTOMS AND WHICH ARE OUTSIDE HEATED AREAS WILL HAVE REDUNDANT HEAT TRACING.
 - FOR HEAT TRACING INSTR. AND DETAILS SEE THERMOM. DWG. 74-147A.
 - FOR LINES 2\"/>
 - THE ONLY VENT OR DRAIN LINE CAPS REQUIRED TO BE SHOWN ON PIPING AND INSTRUMENTATION DIAGRAMS ARE THOSE CONTROLLED UNDER DE-OP-00009 (FORMERLY AD1839.03). THE ACTUAL TERMINATION OF ALL OTHER VENTS OR DRAINS ARE NOT SHOWN AND INSTEAD, AN OPEN ENDED PIPE IS DISPLAYED.
 - WHERE NOTED THE TANK CAPACITY IS NOMINAL. WHERE APPLICABLE, SEE DE-PP-00105 (TANK LEVEL CALIBRATION CURVES) FOR INDICATED LEVEL VS. VOLUME RELATIONSHIP. (REF. PLANS 98-0376).
 - VALVE PMS IS DISABLED CLOSED. REFERENCE MOD 95-0050.
 - SOME VALVES NUMBERED WITH A \"PM\" DESIGNATION (I.e., PM32) ARE BEING USED TO SUPPLY DEMINERALIZED WATER. REFERENCE MOD 95-0050.

LR NOTES:

A. FOR GENERAL LICENSE RENEWAL NOTES REFER TO LR-M001-01.
 B. COMPONENTS BEYOND THE HIGHLIGHTING ARE AIR LINES THAT DO NOT CONTAIN LIQUID AND ARE NOT IN SCOPE.

D. THE WASTE EVAPORATOR IS ABANDONED IN PLACE AND DRAINED. COMPONENTS DOWNSTREAM FROM WC329 ARE NOT A LEAK OR SPRAY CONCERN AND ARE NOT IN SCOPE.

LR-M037E REV. 2

SYSTEMS SHOWN ON THIS DRAWING:
 10: MAKEUP & PURIFICATION
 12: COMPONENT COOLING & DEMINERALIZER WATER STORAGE
 15: REACTOR COOLANT VENT & DRAIN
 24: SAMPLING
 25: NONSAFETY AFFECTING SAFETY
 26: BORON RECOVERY

DAVIS-BESSE NUCLEAR POWER STATION UNIT NO. 1		
THE TOLEDO EDISON COMPANY		
PIPING & INSTRUMENT DIAGRAM CLEAN LIQUID RADIOACTIVE WASTE SYSTEM		
JOB NO.	DRAWING NO.	REV.
12501	M-037E	28

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