RC=OSO1(55,100)FORMATS.CEL AC=ESTD

DEMIN. WATER STORAGE TANK 1-2
(140,000 GAL.) (SEE NOTE 17)
T188

DEMIN. WATER TRANS. PUMPS 1-1, 1-2 & 1-3

DEMIN. WTR. STRG. TK. RECIRC. PUMP 1-1

DEMIN. WTR. STRG. TK. HEAT EXCH. 1-1

TERTIARY DEMINERALIZER 50 GAL. (SEE NOTE 17)
T75

HOT SHOP

NOTES:

1. EXCEPTION TO STANDARD SYMBOLS: ALL PIPING SHOWN ON THIS DIAGRAM TO BE VENDOR SUPPLIED UNLESS OTHERWISE NOTED. LIMIT OF OWNER SUPPLIED PIPING DENOTED BY OWNER
2. OWNER PIPING TO BE ENGINEERED BY BECHTEL AND SUPPLIED BY GRINNELL.
3. POSITIONABLE COMPONENTS FOR THIS SYSTEM ARE SHOWN IN AN ACCEPTABLE LINE UP. THE ACTUAL FIELD LINE UP MAY VARY AND IS CONTROLLED BY PROCEDURES.
4. FOR GENERAL NOTES, PIPING, SYMBOLS AND P & ID INDEX SEE DRAWING M-001.
5. FOR INSTRUMENTATION SYMBOLS SEE DRAWING M-002.
6. ISOLATION VALVES ARE PROVIDED FOR ALL INSTRUMENTS EXCEPT AS NOTED NV (NO VALVE). SEE INSTALLATION DRAWING M-552 FOR DETAILS.
7. UNLESS OTHERWISE NOTED ALL DRAIN CONNECTIONS ARE 1" AND VENT CONNECTIONS ARE ¾". LINE IDENT. SAME AS HEADER.
8. ALL LOCAL ALARMS TO ANNUCIATOR WINDOW C-992 "UNIT DEMIN.WATER TREATMENT SYSTEM TRBL." EXCEPT AFTER VALVE LV-6601A ON DEMIN. WATER STORAGE TANK WHICH ARE TO ANNUC. WINDOW C-990 "UNIT DEMIN.& PRI.WATER STORAGE TANK TRBL."
9. DELETED.
10. THE CONNECTIONS ARE FOR ISOLATION VALVES LEAK TEST.
11. FOR TYPICAL HEAT TRACING CIRCUIT, SEE P&ID M-011. FOR HEAT TRACING INSTR. & DETAIL, SEE THERMON DWG.75-258A.
12. DELETED
13. THE ONLY VENT OR DRAIN LINE CAPS REQUIRED TO BE SHOWN ON PIPING AND INSTRUMENTATION DIAGRAMS ARE THOSE CONTROLLED UNDER DB-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.
14. FOR CHEMISTRY COMPUTER DATA ACQUISITION AND MANAGEMENT SYSTEM (CCDAMS) REFER TO DWG. E-926.
15. ¼" THK. BLANK PLATE INSERTED BETWEEN FLANGES TO ISOLATE PRIMARY WATER FROM DEMIN. WATER SYSTEM. REFERENCE MOD 95-0095. PRIMARY WATER SYSTEM ABANDONED REFERENCE MOD 95-0050.
16. ½" THK. BLANK PLATE INSERTED BETWEEN FLANGES TO ISOLATE DEMIN. WATER SYSTEM FROM WASTE EVAPORATOR PIPING. REFERENCE MOD 95-0055.
17. WHERE NOTED THE TANK CAPACITY IS NOMINAL. WHERE APPLICABLE, SEE DB-PF-06705 (TANK LEVEL CALIBRATION CURVES) FOR INDICATED LEVEL VS. VOLUME RELATIONSHIP. (REF: PCAQR 96-0976).
18. VALVES PW17,PW31,PW34,PW36 & PW58 DISABLED IN THE CLOSED POSITION. REFERENCE MOD 96-0060.

LR NOTES:

A. FOR GENERAL LICENSE RENEWAL NOTES, REFER TO LR-M001-01
B. COMPONENTS LOCATED BEYOND THE HIGHLIGHTING ARE LOCATED IN THE TURBINE BUILDING OR WATER TREATMENT BUILDING, WHERE (A)(2)-NSAS CONSIDERATIONS ARE NOT A CONCERN, AND ARE THEREFORE NOT IN SCOPE.
C. COMPONENTS BEYOND THE HIGHLIGHTING ARE ABANDONED IN PLACE, AND THEREFORE NOT IN SCOPE.
D. UPDATED S/I BOUNDARY IS AT THE INDICATED LOCATION, AS SHOWN ON P&ID M-010D REV 41.

LICENSE RENEWAL BOUNDARY DRAWING
LR-M010D REV. 2

SYSTEMS SHOWN ON THIS DRAWING:
13: COMPONENT CLEANING & DEMINERALIZED WATER STORAGE
23: SAMPLING
24: NONSAFETY AFFECTING SAFETY
25: BORON RECOVERY

THIS DRAWING REV. 0 SUPERSEDES IN PART DWG. M-010D REV. 30. WORK THIS DWG. WITH M-010C.

BECHTEL ASSOCIATES PROFESSIONAL CORPORATION (OHIO)
GAITHERSBURG, MARYLAND

DAVIS-BESSE NUCLEAR POWER STATION
UNIT NO.1
THE TOLEDO EDISON COMPANY

PIPING & INSTRUMENT DIAGRAM MAKE-UP WATER TREATMENT SYSTEM

JOB NO.	DRAWING NO.	REV.
12501	M-010D	40

DFN=I:\PIPING\M010D.DGN

LEVELS 1,2,3,4,5,6,7,8,9,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53,54,55,56,57,58,59,60,61,62,63

DB 01-21-03 14 30X44 C SIZE

FSC= 011 10

01011