RC=CEL:(55,100)FORMATS.CEL AC=E7749

TO DEGASIFIER M-037D (D-7) 1"-HCC-30

M-010D (F-12)

1"-HCC-30

1"-HBD-206 NN113 N-019 (H-4) FROM N_2 SUPPLY

VACUUM PUMP

AIR/WATER SEPARATOR S2

(SD) WM206 WM70 1"-HSC-120 TO STATION VENT M-038C (J-2)

DEMINERALIZED WATER M-010D (E-6) 1"-HCD-4 DW20

WM92 WM95 1"-HSC-120

1"-HSC-113 M-037H (A-2) BORIC ACID EVAPORATOR

1"-HSC-113 M-037G (A-2) BORIC ACID EVAPORATOR

WM784B LG 784 WM784A 50 GALLONS (SEE NOTE 16) T30 WM785B LSL 785 WM785A LSLL 785 LAL 785 WM180 (SD)

WM183

PSV 2244 WM2244 S 327 ANTI FOAM TANK 1-1 3/4"-HCD-14

PI 3861 FI 3862 3/4"-HCD-5 P55 1/2"-HCD-14 ANTI FOAM TANK PUMP 1-1

1"-HSC-118 WM90 WM89 1"-HCD-5

1/2"-HSC-118 WM91 WM96 X

1/2"-HSC-4 WM204 WM205

1"-HSC-16 M-037D (C-6) BORIC ACID EVAPORATOR

HIS 1856

2"-HSC-34 M-039A (D-9)

1 1/2"-HSC-4 BORIC ACID EVAP. M-037D (D-7)

WM88

RO 2690 0.354" WM199 LR NOTE C

1 1/2"-HSC-34

2"-HSC-34

FROM CONCENTRATE STORAGE TANK M-037E (G-141) 2"-HSC-123

CONCENTRATOR

CC

AUX. STEAM

WM235

FCV WE20A PCV WE20A F.C. F.O. S

DISTILLATE PUMP

FROM INTERLOCK M-037F(B-2)

WE20B FCV WE20B F.O. PCV WE20B S

M-045 (E-7)

TAHL (3) TSHL (3) TJR (3) (X) TO PRIMARY H/T CONTROLS

TIC (2) TIC (1) TO SECONDARY H/T CONTROLS

TYPICAL OF EACH H/T(E) CIRCUIT. FOR DETAILS SEE THERMON DRAWING 74-147A.

TE (2) TE (3) TE (1)

WM107 LR NOTE C

2"-HSC-31

2"-HSC-41

OUTSIDE SHIELD WALL SS189 SS189A H/T(E) M-042B (D-9) SAMPLING RET. CONN.

WASTE EVAPORATOR PACKAGE 1-1 (SEE NOTE 13)

ABANDONED IN PLACE

WM205 (D) H/T(E) BOTTOMS PUMP TO INTERLOCK M-020B(B-10)

1 1/2"-HSC-158 (2.23") RO 3975 WM234 1/2" (V) WM240 WM239 WM233 DE 3880 DY 3880 DI 3880

SS203 H/T(E) SAMPLING CONN. M-042B (D-8)

SS204 SAMPLING CONN. M-042B (D-8)

LR NOTE C

RO 1793 1.246" 2"-HSC-9

25 24 F.C. WM185 ZS 1857 HIS 1857 TO INTERLOCK M-039A(D-10) HV 1857 SV 1857

2"-HSC-9 1 1/2"-HSC-9 BORIC ACID EVAPORATOR M-037D (K-10)

2"-HSC-31

2"-HSC-41

M-019 (H-4) FROM N_2 SUPPLY 1"-HBD-206 NN149 FI 2417 PCV 1156

(D) WM181 OUTSIDE SHIELD WALL 24 23 SAMPLE RET. N-042B (E-9) SS195 SS195A

LR NOTE B

(SC) NN156 PSV 1867 2"-HSC-116 WM867

RO 2692 0.653" WM162 WM161 1 1/2"-HSC-52

FROM CONC. DEMIN. RELIEF VALVE M-037E (A-8) 1"-HSC-98 H/T(E) 18

TO REACTOR COOLANT DRAIN TANK M-040A (D-8) RO 3826 0.119" 1"-HSC-99 WM2246 PSV 2246 2"

FROM RESIN FILL TANK T17 M-037E (B-8) 3"-HCD-36

OUTSIDE SHIELD WALL SS63A SS63

TO STATION VENT M-038C (G-9) 3/4"-HSC-36 WM178 WM230 WM100 (SC)

M-038C (K-2) 1 1/2"-HSC-112 WM143 WM142 WM91

PT 1885 PI 1885 PSL 1885 WM885

PSE 1735 1 1/2"-HSC-51 3"-HSC-51

MISCELLANEOUS WASTE EVAPORATOR STORAGE TANK 1-1 NOTE 16 T28 947 GALLONS

WM882B WM882H WM882F LSH 1882 LAH 1882 WM882E WM882D LSL 1882 LSLL 1882 WM882G WM882C WM882A LT 1882 LI 1882 LI 054

LALL 1882 HIS 1739 TSL 2170

TAL 1864 TIS 1864 TT 1864 TE 1864 WM144 NOTE 2

2"-HSC-4 1 1/2"-HSC-4 BORIC ACID EVAPORATOR M-037G (J-1)

WM98 (V) WM216 2"-HSC-104 WM99

OUTSIDE SHIELD WALL TO SAMPLE SYSTEM M-042B (D-8) SS57A SS57

WASTE POLISHING DEMINERALIZER 1-1 T125 FL. CONN. 2" WM171

N2. DEMINERALIZED OR PRIMARY WATER M-037C (F-91)

(SD) WM213 WM106 WM97

TO SPENT RESIN TANK M-037C (K-11) 3"-HSC-14 WM101 3"-HSC-31 2"-HSC-104 WM103

N2.DEMINERALIZED M-037C (F-11) OR PRIMARY WATER

OUTSIDE SHIELD WALL SS192A SS192

SAMPLING RET. CONN. M-042B (D-9)

WM237A WM237B PD1 2065 S 371 WM102

2"-HSC-31 WM105 WM108 WM69

SAMPLING RET. CONN. M-042B (D-9) SS193

MISCELLANEOUS WASTE MONITOR TANK FILTERS 1-1 & 1-2

SS38 SAMPLING CONN. M-042B (D-8) 2"-HSC-31

1"-HSC-14 WM104

OUTSIDE SHIELD WALL SS61 SS61A TO SAMPLE SYSTEM M-042B (E-8)

WM110 WM116 WM118 WM119 WM111 WM117 WM187A

3/4"-HSC-31 (SC) NN194 1/4"-HCD-62 NN195 FG 4838 1" 3/4" (D)

1"-HSC-31 F9-1 F9-2 WM120 WM121 (D) 1"-HSC-31 3/4"-HSC-31 (TYP.) WM112 WM113 WM114 WM115 WM217 (SD)

PDIS 1875 WM187B PDAH 1875 TO QA-0661 M-039A (G-11)

2"-HSC-35

M-039A (C-91)

WM157 NOTE 2

1 1/2"-HSC-52

WM158 NOTE 2

WM183 WM160 1 1/2"-HSC-50 WM159 M-039A (K-8)

LIQUID WASTE DEMINERALIZER SKID

[DT-1] 1 1/2" S431 1 1/2" [DT-5] 1 1/2" X 1" RED. 1"-HSC-31 WM247

SEE DURATEK DRAWING M-281N-13

WM236 WM244 WM245

(V) WM237

TO DRUMMING STATION M-047 (G-6)

NOTES:

1. FOR NOTES SEE DRAWING N-039A.
2. WM144, WM157 AND WM158 ARE DISABLED CLOSED AND ISOLATE THE ABANDONED EVAPORATOR STORAGE TANK PUMPS. REFERENCE MOD 95-0050.

LR NOTES:

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

B. COMPONENTS BEYOND THE HIGHLIGHTING ARE NOT WITHIN THE SCOPE OF LICENSE RENEWAL.

C. COMPONENTS BEYOND THE HIGHLIGHTING ARE ABANDONED IN PLACE AND NOT WITHIN THE SCOPE OF LICENSE RENEWAL.

LICENSE RENEWAL BOUNDARY DRAWING
LR-M039B REV. 1

SYSTEMS SHOWN ON THIS DRAWING:
23: SAMPLING
24: NONSAFETY AFFECTING SAFETY
25: BORON RECOVERY

THIS DRAWING REV.0 SUPERSEDES IN PART DRAWING M-039 REV.35. WORK THIS DRAWING WITH M-039A.

BECHTEL ASSOCIATES PROFESSIONAL CORPORATION (OHIO)
GAITHERSBURG, MARYLAND

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

PIPING & INSTRUMENT DIAGRAM
MISCELLANEOUS LIQUID RADIOACTIVE WASTE

JOB NO.	DRAWING NO.	REV.
12501	M-039B	18

DFN= I:/PIDS/M039B.DGN DB 02-15-07 14 34X44 "E" SIZE PSC=

D-67 01 D67