LRM-547

REACTOR CONTAINMENT VESSEL

SHIELD BUILDING WALL

REVISION

CONTROL

TE 14130 — TE 14128 — TE 14134 — TE 14132 — TE 14131 — TE 14133 — TE 14127 — TE 14129

SW940 B-1 — SW940 B-2 — SW940 B-3 — SW940 B-4 — SW940 B-5

SW910B — SW910A — SW910 B-1 — SW910A-1 — SW911AB — SW911B-1 — SW911A-1

SW941 AB-1 — SW942 AB — SW946 AB — SW945 AB — SW912 AB — SW913 AB-1 — SW913 AB-2 — SW914 AB-1 — SW914 A — SW914 B — SW940 A-3 — SW940 A-4 — SW960A

SHROUD COOLING COIL 174-011 — 1A / 1B — DRIP PAN SEE NOTE 3

SW910C — SW910 C-1 — SW911C — SW911C-1 — SW942 CD — SW945 CD — SW912 CD — SW913 CD — SW913CD-1 — SW913CD-2 — SW914 C — SW914 CD — SW914 D-1 — SW940 C-1 — SW940 C-2 — SW940 C-3 — SW940 C-4 — SW940 C-5 — SW960C — SW940 D-1 — SW940 D-2 — SW910 D — SW910 D-1 — SW911D — SW911D-1 — SW912 D — SW913 D — SW914 D — SW960D

SHROUD COOLING COIL 174-012 — 1C 1D — DRIP PAN SEE NOTE 3

SW901 A-1 — SW901 A-2 — SW901 B-1 — SW901 B-2 — SW901 C-1 — SW901 C-2 — SW901 D-1 — SW901 D-2

SW950A — SW950B — SW950C — SW950D

SW9018-1 — SW9018-2

SEE NOTE 6 AND NOTE 9 — SEE NOTE 7 — SEE NOTE 4 — NOTE 2 — NOTE 9

TO REACTOR CAVITY

PEN NO. 38 NE — PEN NO. 38 NW — PEN NO. 38 EN — PEN NO. 38 ES — PEN NO. 37 ES — PEN NO. 37 EN — PEN NO. 37 NW — PEN NO. 37 NE

FE 27053 — FE 27051 — FE 27057 — FE 27055 — FE 27054 — FE 27056 — FE 27050 — FE 27052

F 23063 — F 23065 — F 23067 — F 23061 — F 23062

SW902B — SW902A — SW902D — SW902C — SW900C — SW900D — SW900A — SW900B

ES 46510 — MV 32061 — SW903B — SW-951B — SW-952B — CV 31120 — CONTROL SW904B

ES 46509 — MV 32060 — SW903A — SW-951A — CV 31119 — CONTROL SW904D

ES 46512 — MV 32059 — SW902D — SW-903D — SW-951D

ES 46511 — MV 32058 — SW902C — SW903C — SW-951C

ANNUBAR LOOP SEAL (4'-6" MIN.)

10" SERVICE WATER DISCHARGE FOR CONTINUATION SEE DWG M-202 SHT 2 AREA B-4

SW905B-1 — SW905A-1 — SW905C-1 — SW905D-1 — SW905B — SW905A — SW905D — SW905C — LOCKED OPEN (TYP.) NOTE 9 (TYP.)

6-2" RETURN LINES (TYP 8 PLACES)

CONTAINMENT FAN COIL UNITS (4) WITH 12 COILS PER UNIT

6-2" SUPPLY LINES (TYP 8 PLACES)

TO 10" SERVICE WATER DISCHARGE FOR CONTINUATION SEE M-202 SHT 2 AREA B-4

FROM AUX. BLDG. B TRAIN SW HDR

FROM AUX. BLDG. A TRAIN SW HDR

FOR CONTINUATION SEE DWG. M-202 SHT.2 OF 3 LOCATION B-4

NOTES

1. ANNUBAR TO BE USED WITH TEMPORARY TEST EQUIPMENT.
2. DRIP PAN DRAIN OUTLET TO TOP OF LOOP SEAL SHALL BE 14" MINIMUM. TOP TO BOTTOM OF LOOP SEAL SHALL BE 7" MINIMUM.
3. A SINGLE DRIP PAN SHALL BE PROVIDED THAT SHALL EXTEND UNDER BOTH COOLING COILS.
4. REMOVABLE SPOOL PIECES SHALL BE PROVIDED IN THE INLET AND OUTLET TO THE COOLING COILS TO ALLOW FOR REMOVAL OF MISSILE SHIELD.
5. ALL PIPING SHALL BE CARBON STEEL EXCEPT FOR THE DRAIN PIPING FROM THE DRIP PAN. THIS PIPE SHALL BE STAINLESS STEEL.
6. THROTTLED POSITION OF THIS VALVE IS FIXED TO MAINTAIN 75 GPM TO SHROUD COOLING COIL. THIS POSITION IS INDICATED BY A GREEN LIGHT IN THE CONTROL ROOM
7. BYPASS LINE AROUND SHROUD COOLING COIL INSTALLED PER DCR 2909. ALLOWS FOR THERMAL EXPANSION OF FLUID TRAPPED IN SECTION OF PIPING THAT IS ISOLATED POST-ACCIDENT. (NRC GL96-06). BYPASS LINE CONSTRUCTED OF STAINLESS STEEL TUBING.
8. * VALVES WITH ASTERISK LOCKED OPEN.
9. VALVE SHALL NOT BE CLOSED WITH PLANT AT HOT SHUTDOWN OR ABOVE WITHOUT AN ENGINEERING EVALUATION OF GL 96-06 IMPACT (REF. CALC. C11483).

REFERENCE:
-W/D FAN COIL UNIT CFCU VELOCITY, TEMPERATURE TRANSDUCERS ---------- E-3658

LEGEND
NON SV ZONE — SV ZONE

LICENSE RENEWAL DRAWING LEGEND
- Ø2/SW SERVICE WATER
- 18/RBV REACTOR BUILDING VENTILATION - CRDM COOLING
- 18/RBV REACTOR BUILDING VENTILATION - CONTAINMENT AIR COOLING
- IN SCOPE FOR LR PER 10CFR 54.4 (a)(2)
- IN SCOPE FOR LR PER 10CFR 54.4 (a)(1) 10CFR 54.4 (a)(3)

DOMINION ENERGY KEWAUNEE, INC.
KEWAUNEE POWER STATION

LICENSE RENEWAL DRAWING
SERVICE WATER SYSTEM
CONTAINMENT COOLING

HYBRID CADD	APPROVED	DRAWN	DWG. No.	REV.
		JSW 06/08/06	LRM-547	0
	REVIEWED	SCALE		

REFERENCED PER MASTER DRAWING: OPERM-547 REV. S

REV 'S' PER LAST UPDATE

22-JUL-2008 11:15 LRM-547.LRM