LRM-218

REVISION

SPENT FUEL POOL COOLING WATER FOR FLUSHING, SAMPLE LINES SEE (X-K-100-44) LRXK-100-44 (A-1)

SV-33666 FPC 51 F.C. L.C. FPC 50 FPC 50-1

FPC110

SERVICE WATER SYSTEM SEE M202 SHT 2 LRM-202-2 (B-12)

SERVICE WATER LOW PRESS. SER 49001 180 A 47055 N DPI 11055

FOR CONT. SEE M202 SHT 2 (B-12)

SPENT FUEL POOL HEAT EXCHANGER

FPC60 FPC7 FPC70 FPC80 FPC8 DH

FPC300 FPC301 SPECTACLE FLANGE RHR202

DPI 11308 DPI 11306

FPC30A FPC30B FPC5A FPC5B FPC6A FPC6B FPC40A FPC40B DH

SPENT FUEL POOL FILTER 1A

SPENT FUEL POOL FILTER 1B

FPC100

PI 11073 ES 46521 FPC3A FPC4A FPC2A

PI 11074 ES 46522 FPC3B FPC4B FPC2B

SPENT FUEL POOL PUMP 1A

SPENT FUEL POOL PUMP 1B

FPC15 DH

BORIC ACID ADDITION SEE CV DIAGRAM X-K100-36 (E-7)

CVC414 MU1009 FPC90 TI 12068

REACTOR MAKE-UP WATER SEE M209 sh. 2 (B-1) SW-1497 SW-1498

LRM-202-2 (C-12)

6" EMERGENCY SERVICE WATER SUPPLY TO SPENT FUEL POOLS SEE M202 SHT 2

SW-1499 SW-1500 SW-1501 HIGH TEMP A 47055 N

FPC9 FPC95 FPC10A FPC11A FPC10B FPC11B TC 12611 CONTROL TI 12012 TI 12007

6" CAPPED CONN'S.

SER 49001 186 SER 49001 187

LA 16641 LA 16640 HIGH & LOW LEVEL A 47055 N

SER 49001 184 HIGH LEVEL SER 49001 185 HIGH LEVEL

SER 49001 160 LOW LEVEL SER 49001 161 LOW LEVEL

SPENT FUEL POOL 1B SPENT FUEL POOL 1A

FPC10 FPC1B FPC1A

RHR201 SPECTACLE FLANGE

FPC270 FPC206 FPC280 SAMPLE FPC1100

DPI 11015 FPC200 FPC208 FPC290 FPC1003

SPENT FUEL POOL DEMIN. POST FILTER

DPI 11030 FPC220 FPC201 FPC230

SPENT FUEL POOL DEMIN. PRE-FILTER

REFUELING WATER STORAGE TANK (275,000 GAL.) SEE SI DIAGRAM DWG. X-K100-29 LRXK-100-29 (A-10)

CV 31293 FPC204 DPI 11014

RESIN FILL FPC202 DW213A

FPC210 FPC260 FPC240 VENT

DEMINERALIZED WATER FOR FLUSHING & BACKWASH SEE M209 sh. 2 (C-10) 2"

BACKWASH DW213B FPC255

FPC203 FPC250

TO SPENT RESIN FLUSHING LINE SEE M350 LRM-350 (C-9)

DRAIN HEADER TO SLUDGE INTERCEPTOR TANK SEE M350 LRM-350 (E-9)

SPENT FUEL POOL DEMINERALIZER W

PB 19515 PI 11104 FPC1010 FPC1001 FPC1002 FPC1000

REFUELING WATER PURIFICATION PUMP

SEE DETAIL 1 FOR CONVECTION TANK

RESIDUAL HEAT REMOVAL SYSTEM SEE DWG. X-K100-18

RESIDUAL HEAT REMOVAL HEAT EXCHANGER 1A W

PI 11838 FPC-19-2 FPC-19-1 CONVECTION TANK FPC-20-1 FPC-20-2

REFUELING WATER PURIFICATION PUMP SHAFT

DETAIL 1

CABLE TROUGH FLOOR DRAIN PIPING (FOR CONT. SEE M671) COLLECTION BOX (TYP.)

SPENT FUEL POOL 1B SPENT FUEL POOL 1A

UNDERWATER LIGHTING CONDUITS

ZONE NO.1 ZONE NO.2 ZONE NO.3 ZONE NO.4 ZONE NO.5 ZONE NO.10 ZONE NO.9 ZONE NO.8 ZONE NO.7 ZONE NO.6

FUEL TRANSFER CANAL

1"X 3/4" (TYP.)

LIQUID DYE INJECTION 5 PLACES (TYP.) 1/2" VALVES

FPC2010-5 FPC2010-4 FPC2010-3 FPC2010-2 FPC2010-1

FPC2010-6 FPC2010-7 FPC2010-8 FPC2010-9 FPC2010-10

FPC2000-1 FPC2000-2 FPC2000-3 FPC2000-4 FPC2000-5

FPC2000-10 FPC2000-9 FPC2000-8 FPC2000-7 FPC2000-6

COLLECTION TROUGH FLOOR DRAIN PIPING (FOR CONT. SEE M671)

ALL VALVES & PIPING Q.A. TYPE 2

ALL VALVES & PIPING IN NON-SV ZONES

LR NOTE 1

SPENT FUEL POOL LEAK DETECTION SYSTEM

NOTE:
1) ALL PIPING & EQUIPMENT IS IN SV ZONE.
2) ROOT VALVE NUMBERS WILL NOT BE SHOWN ON THIS DRAWING. THE OPERATION VALVE NUMBER CONTAINS THE SYSTEM DESIGNATOR FOLLOWED BY THE INSTRUMENT NUMBER (I.E., SW-11007).

LEGEND

P – INDICATES DRAIN TO FLOOR DRAIN SYSTEM

DH – INDICATES DRAIN TO DRAIN HEADER. SEE AUXILIARY BUILDING EQUIPMENT DRAIN DIAGRAM M350

5 INSTALL SOLENOID VALVE IN DIRECTION OF ARROW.

LR NOTES:

1. LINES ARE NOT UNDER PRESSURE AND CAN NOT SPRAY OR LEAK ON SAFETY RELATED COMPONENTS.

LICENSE RENEWAL DRAWING LEGEND

- 21/SFP SPENT FUEL POOL COOLING
- 02/SW SERVICE WATER
- 27A/MUP MAKE-UP AND DEMINERALIZED WATER
- 32A/WD-(L) LIQUID WASTE PROCESSING AND DISCHARGE
- 33/SI SAFETY INJECTION
- 34/RHR RESIDUAL HEAT REMOVAL
- 35/CVC CHEMICAL & VOLUME CONTROL

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
SPENT FUEL POOL COOLING AND CLEAN-UP SYSTEM

HYBRID CADD	APPROVED	DRAWN JSW 03/13/06	DWG. No. LRM-218	REV. 0
	REVIEWED	SCALE		

REFERENCED PER MASTER DRAWING OPERM-218 REV AC

REV "AC" PER LAST UPDATE

22-JUL-2008 18:07 LRM-218.LDM