



- LR NOTES:**
- FOR LR PURPOSES, MANY COMPONENTS WITH A "RC" OR A "MDR" SYSTEM DESIGNATOR IN THEIR EQUIPMENT NUMBER, HAVE BEEN ASSIGNED TO THE LIQUID WASTE PROCESSING AND DISCHARGE SYSTEM. THIS WAS DONE IN ORDER TO MAINTAIN CONSISTENCY WITH THE USAR AND SYSTEM DESCRIPTIONS.
 - RELIEF VALVES ARE ALSO FOUND ON LRXK-100-20, AT LOCATIONS CC-652 (E-9), CC-630B (H-10), CC-630A (H-7), CC-611A (F-8) AND CC-611B (F-11).
 - THE GAS ANALYZER IS AN ACTIVE I&C COMPONENT WHICH IS EXCLUDED FROM AGING MANAGEMENT.
 - WASTE EVAP. DISTILLATE ION EXCHANGER IS IN A CUBICLE WITH NO SAFETY RELATED COMPONENTS.
 - BURIED PIPING SOUTHWEST OF THE POWER BLOCK.
 - THE DIAPHRAGM SEAL IS PART OF THE PRESSURE INDICATOR MODULE.
 - COMPONENTS NOT HIGHLIGHTED ARE LOCATED IN THE TSC BASEMENT. THERE ARE NO SAFETY RELATED COMPONENTS LOCATED IN THIS AREA.
 - TANK AND PUMP ARE LOCATED IN AN ISOLATED ROOM WITH NO SAFETY RELATED COMPONENTS. (AUXILIARY BUILDING BASEMENT - NE THE TANK IS IN LR SCOPE BECAUSE IT IS AN ANCHOR FOR THE 4" LINE FROM THE COMPONENT COOLING SURGE TANK.)
 - COMPONENTS NOT HIGHLIGHTED ARE LOCATED IN THE AUXILIARY BUILDING BASEMENT (WEST) IN THE ION EXCHANGER ROOM. THERE ARE NO SAFETY RELATED COMPONENTS ARE LOCATED IN THIS AREA.

- LICENSE RENEWAL DRAWING LEGEND**
- 32A/WD-1 LIQUID WASTE PROCESSING AND DISCHARGE
 - 07/BT STEAM GENERATOR BLOWDOWN TREATMENT
 - 22/HS HEATING STEAM
 - 23/ICS CONTAINMENT VESSEL INTERNAL SPRAY
 - 27A/MUP MAKE-UP AND DEMINERALIZED WATER
 - 30/MDS MISCELLANEOUS DRAINS AND SUMPS
 - 31/CS COMPONENT COOLING
 - 32B/WD-1G GASEOUS WASTE PROCESSING AND DISCHARGE
 - 33/SI SAFETY INJECTION
 - 35/CVC CHEMICAL & VOLUME CONTROL
 - 36/RC REACTOR COOLANT
 - 45/RM RADIATION MONITORING
 - 51/GS MISCELLANEOUS GAS

- NOTES:**
- 3/4" PIPE BY 3/4" TUBE INSERT RED'D TO BE INSTALLED IN FIELD.
 - BUBBLER TUBE BY 3/4" CLASS 153 VALVES REQUIRE FIELD INSTALLED 3/4" PIPE ADAPTER INSERTS TO MATCH.
 - FOURTEEN DIAMETERS OF STRAIGHT PIPE REQUIRED BETWEEN FLOW METER AND UPSTREAM TEE.
 - WDS BUBBLERS OPERATE ON INSTRUMENT AIR.
 - VALVES SHOWN WITH OPERATORS ARE FURNISHED BY WESTINGHOUSE.
 - ALL VALVES AND ALL PIPING EXCEPT AS INDICATED IN NOTE 6 ABOVE ARE FURNISHED BY PIPING CONTRACTOR.

- OXYGEN FOR CALIBRATING GAS ANALYZER TO BE SUPPLIED FROM BOTTLES.
- VARIOUS EQUIPMENT AND FLOOR DRAINS ARE SHOWN ON PS & E DRAWINGS M-350 AND 671 RESPECTIVELY.
- PS & E QUALITY ASSURANCE CODES
- CONTROL VALVE MODULATES OPEN/CLOSE TO MAINTAIN DOWNSTREAM PRESSURE OF 5 PSI.

- LOCATE CHECK VALVE ABOUT 8 FEET ABOVE CENTER LINE OF RCOT.
- BLIND FLANGE ON TANK OVERFLOW CONNECTION.
- ROUTE INDEPENDENTLY TO A POINT AS CLOSE TO RCOT AS POSSIBLE.
- STRAINER HAS BEEN REMOVED, HOUSING LEFT IN-LINE.
- 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-1007).

- RELIEF VALVES WERE INSTALLED FOR NRC GENERIC LETTER 96-06 OVER PRESSURE PROTECTION. REFERENCE DCR 3087.
- FILTER HOUSINGS INSTALLED BACKWARDS PER DCR 1638 FOR COALESCING PURPOSES.
- VALVE SHALL NOT BE CLOSED WITH PLANT AT HOT SHUTDOWN OR ABOVE WITHOUT AN ENGINEERING EVALUATION OF GL 96-06 IMPACT (REF. CALC. C11483).

DOMINION ENERGY KEWAUNEE, INC.
KEWAUNEE POWER STATION

LICENSE RENEWAL DRAWING
WASTE DISPOSAL SYSTEM

APPROVED	DRAWN	DATE	REV.
CADD	JSW	02/20/00	0
REVIEWED	SCALE	LRXK-100-131	0

REFERENCED PER MASTER DRAWING	REV.
OPERXK-100-131	CK