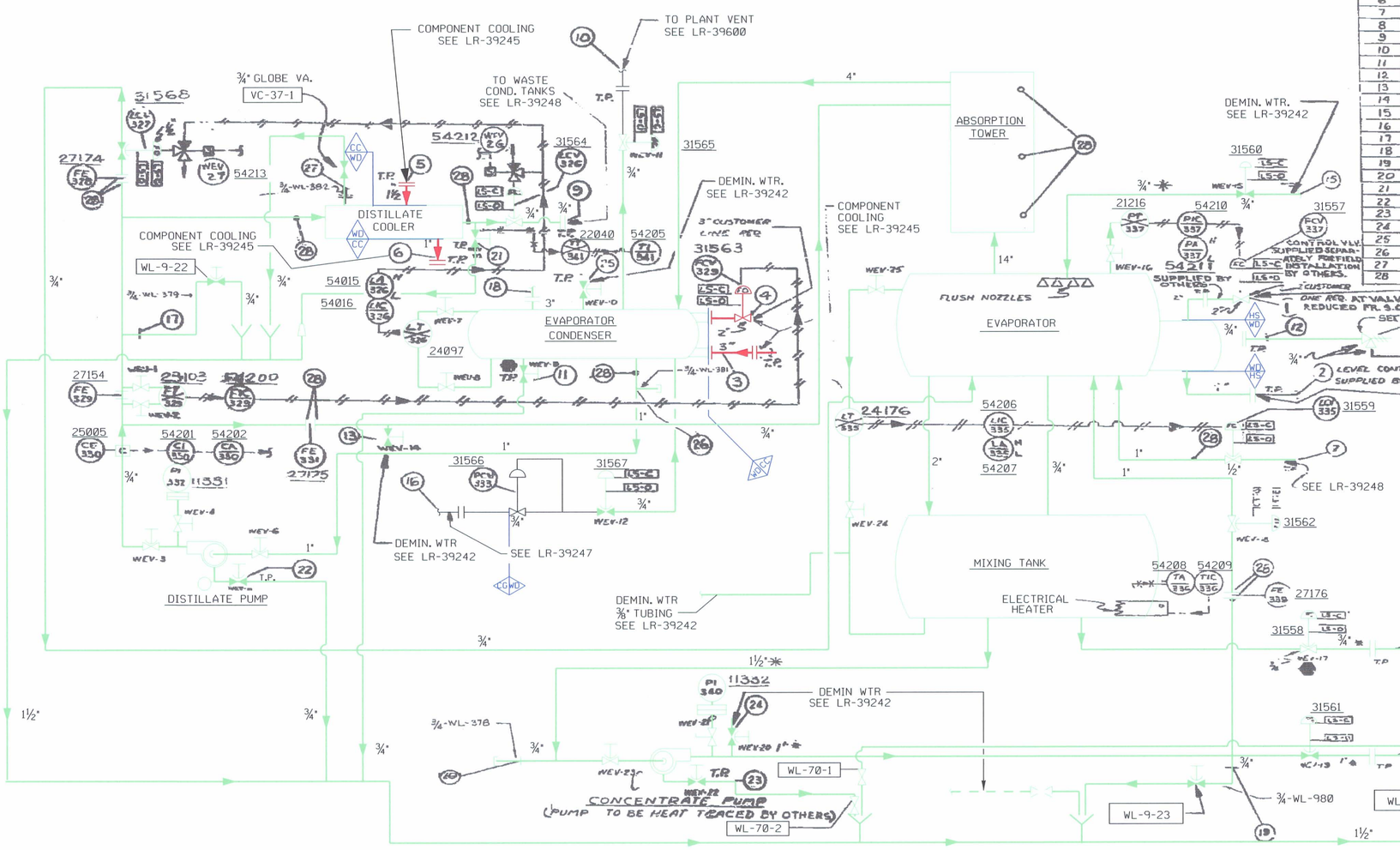
LR-XH-1-664



ITEM	DESCRIPTION
1	EVAP. STEAM INLET
2	CONDENSATE OUTLET
3	EVAP. COND. COOLING WTR INLET
4	EVAP. COND. COOLING WTR. OUTLET
5	DISTILLATE COOLING WATER INLET
6	DISTILLATE COOLING WATER OUTLET
7	WASTE FEED INLET
8	CONCENTRATED WASTE OUTLET
9	DISTILLATE OUTLET
10	CONDENSER VENT (TO PLANT VENT)
11	DRAIN CONN (EVAP COND)
12	EVAP CNDR. VENT (TO PLANT VENT)
13	FLUSH CONN (ABSORPTION TOWER)
14	EVAP DRAIN
15	EVAP. FLUSH INLET
16	NITROGEN SUPPLY
17	DISTILLATE SAMPLE LINE (OUTLET)
18	RUPTURE DISC. (SIZE BASED ON 0 PSIG BACK PRESSURE)
19	CONCENTRATE SAMPLE (OUT)
20	CONCENTRATE SAMPLE (IN)
21	DRAIN CONN (DISTILLATE)
22	DRAIN CONN. (DISTILLATE PUMP)
23	DRAIN CONN (CONCENTRATE PUMP)
24	FLUSH CONN (CONCENTRATE PUMP)
25	FLUSH CONN (EVAP. COND.)
26	DISTILLATE SAMPLE LINE (INLET)
27	DISTILLATE VENT
28	BOSSES FOR FIELD TESTING (1 N.P.T. PLUGGED)

NOTE:

1- LINES HEAT TRACED BY OTHERS

2- ALL LINES MARKED * ARE CLASS 151R. THIS IS A DESIGNATION ONLY & NO ADDITIONAL INSPECTION HAS BEEN PERFORMED ON THIS PIPING. ALL OTHER PIPE IS CLASS 151.

3- T.P. INDICATES "TERMINAL POINT"

4- VALVES MARKED ● TO BE RELOCATED FOR EASE OF OPERATION.

5- ALL PIPING TO BE QA TYPE III UNLESS OTHERWISE NOTED.

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LR - LEGEND

- IN SCOPE FOR LR PER 10 CFR 54.4(a)(1) 10 CFR 54.4(a)(3)
- IN SCOPE FOR LR PER 10 CFR 54.4(a)(2)
- OUT OF SCOPE
- DENOTES SYSTEM BOUNDARY BREAK

LR - SYSTEMS

WD - WASTE DISPOSAL
CC - COMPONENT COOLING
CG - MISCELLANEOUS GAS

REFERENCE DWG. X-HIAW-1-664 REV A

REVISIONS

0

DRAWN BY: JLB
DATE: 8-24-07
PREPARED BY: WJO
DATE: 8-24-07
REVIEWED BY: SRM
DATE: 8-27-07

This map / document is a tool to assist employees in the performance of their jobs. Your personal safety is provided for by using safety practices, procedures and equipment as described in safety training programs, manuals and SPAR's.

DWN	DATE	SIGNIFICANT NO.	8630			2	M280 9070	1	9100
CHECKED		GROUP	1	2	3	4	5	CL	6
PROJECT NO.									
APP'D & CERT.									
FILMED									

LICENSE RENEWAL BOUNDARY DWG
RADIOACTIVE WASTE EVAPORATOR
FLOW DIAGRAM

NORTHERN STATES POWER COMPANY
Xcel Energy
PRAIRIE ISLAND NUCLEAR GENERATING PLANT
RED WING, MINNESOTA

SCALE | REV 0

LR-XH-1-664

LR-XH-1-664.DGN NSP GENERATION CAD

D-126