DRAWING - LR SYSTEM CROSS REFERENCE

ITEM	DRAWING NUMBER	REV.	TITLE	PRIMARY SYSTEM	LICENSE RENEWAL SYSTEMS	UNIT
1	LR-39215-1	1	CIRCULATING WATER - UNIT 1 & 2 - FLOW DIAGRAM	CW	CL, CW, DE	0
2	LR-39216-1	2	COOLING WATER - SCREENHOUSE FLOW DIAGRAM - UNIT 1 & 2	CL	CL, CW, DG, FP	0
3	LR-39216-2	4	COOLING WATER - TURBINE BUILDING FLOW DIAGRAM - UNIT 1	CL	CD, CL, CW, FP, FW, HS, TB, WD	1
4	LR-39216-3	1	COOLING WATER - AUX. BLDG FLOW DIAGRAM - UNIT 1	CL	CC, CL, DG, HS, RH, SB	1
5	LR-39216-4	0	COOLING WATER - CONTAINMENT FLOW DIAGRAM - UNIT 1	CL	CL, ZC	1
6	LR-39217-1	3	COOLING WATER - TURBINE BLDG. FLOW DIAGRAM UNIT 2	CL	CD, CL, CW, FW, HD, TB, WD	2
7	LR-39217-2	0	FLOW DIAGRAM - UNIT 2 COOLING WATER AUX. BLDG	CL	CC, CL, DG, FP, RH, SB	2
8	LR-39217-3	1	FLOW DIAGRAM - UNIT 2 COOLING WATER - CONTAINMENT	CL	CL, ZC	2
9	LR-39218	2	MAIN AUXILIARY STEAM & STEAM DUMP FLOW DIAGRAM - UNIT 1	MS, SG	AF, BL, CD, CG, HS, MS, SM, TB, WD, SG	1
10	LR-39219	3	MAIN, AUXILIARY STEAM & STEAM DUMP UNIT 2	MS, SG	AF, BL, CG, HS, MS, SG, SM, TB, WD, CD	2
11	LR-39220	2	FLOW DIAGRAM CONDENSATE SYSTEM	CD	CD, DE, FW, HS, SB, SM, TB	1
12	LR-39221	2	FLOW DIAGRAM CONDENSATE SYSTEM	CD	CD, CL, DE, FW, SB, SM, TB	2
13	LR-39222	4	FLOW DIAGRAM - UNIT *1 FEEDWATER & AUX FEEDWATER SYS	AF, FW, SG	AF, CD, CL, FW, SM, SG	1
14	LR-39222-1	0	FEEDWATER PUMP LUBE OIL FLOW SYSTEM UNIT * 1	FW	FW	1
15	LR-39223	4	FLOW DIAGRAM - UNIT *2 FEEDWATER & AUX FEEDWATER SYS	AF, FW, SG	AF, CD, CL, FW, SM, SG	2
16	LR-39223-1	0	FEEDWATER PUMP LUBE OIL FLOW SYSTEM - UNIT *1	FW	FW	2
17	LR-39224	1	FLOW DIAGRAM - UNIT *1 BLEED STEAM & HEATER VENTS	BL	BL, CD, FW, HS, SB, SM, TB	1
18	LR-39225	1	BLEED STEAM & HEATER VENTS FLOW DIAGRAM	BL	BL, CD, FW, HS, SB, SM, TB	2
19	LR-39226	1	FEEDWATER HEATER, MOISTURE SEPERATOR & REHEATER DRAIN SYS - FLOW DIAG	CD	CD, FW, SM, TB	1
20	LR-39227	1	FEEDWATER HEATER, MOISTURE SEPERATOR & REHEATER DRAIN SYS UNIT 2-FLOW	CD	CD, FW, SM, TB	2
21	LR-39228-1	2	FLOW DIAGRAM FIRE PROTECTION & SCREEN WASH SYSTEM - UNIT 1 AND 2	FP	FP, CL, CW	0
22	LR-39228-2	0	FLOW DIAGRAM TURBINE ROOM SPRINKLER FIRE PROTECTION SYSTEM	FP	FP	1
23	LR-39228-3	0	SPRINKLER FIRE PROTECTION SYSTEM, TURB. RM. 2 - SCREENHSE, UNIT 1 & 2	FP	FP, SA	0
24	LR-39228-4	2	SPRINKLER FIRE PROTECTION SYSTEM AUXILIARY & REACTOR BLDG FLOW DIA.	FP	FP	0
25	LR-39228-5	0	D5/D6 BLDG. FIRE PROTECTION SYSTEM FLOW DIAGRAM	FP	FP	2
26	LR-39230	1	FLOW DIAGRAM AIR REMOVAL SYSTEM	TB	CD, MS, TB, ZA	0
27	LR-39231-1	2	LUBE, LIFT, SEAL OIL, & OIL PURIFICATION FLOW DIAGRAM GENERATOR & TURBINES	TB	CL, DE, TB	1
28	LR-39231-2	1	LUBE, LIFT, SEAL OIL & OIL PURIFICATIO FLOW DIAGRAM GEN & TURB - UNIT *2	TB	CL, DE, TB	2
29	LR-39232	4	FUEL & DIESEL OIL SYSTEM FLOW DIAGRAM UNIT 1 & 2	FO	DG, FO, HS	0
30	LR-39233	3	FLOW DIAGRAM TURBINE BUILDING TRAPS & DRAINS	TB	BL, HS, MS, SB, SM, TB	1
31	LR-39234	2	FLOW DIAGRAM TURBINE BUILDING TRAPS & DRAINS	TB	BL, HS, MS, SB, TB	2
32	LR-39236	1	LIQUID WASTE DISPOSAL AND WASTE SOLIDIFICATION SYSTEM UNIT 1 & 2	WD	DE, VC, WD	0
33	LR-39237	3	CONTAINMENT INTERNAL SPRAY SYSTEM	CS	CS, SF, SI, WD, RH	0
34	LR-39238	4	FLOW DIAGRAM SAMPLING SYSTEM REACTOR PLANT	SM	CC, SM, VC, WD	0
35	LR-39238-2	0	FLOW DIAGRAM GAS SAMPLE PANEL	SM	SM	0
36	LR-39239	1	UNIT 1 FEED WATER PUMP FLOW DIAGRAM INJECTION & GLAND SEAL PIPING	CD	CD, FW, HS	1
37	LR-39240	0	UNIT 2 FEED WATER PUMP INJECTION & GLAND SEAL PIPING	CD	CD, FW, HS	2
38	LR-39240-1	1	FLOW DIAGRAM UNITS 1 & 2 CHEMICAL FEED SYSTEM	CD	AF, CD, SM	0
39	LR-39241-1	1	WATER SUPPLY SYSTEM UNITS 1 & 2-FLOW DIAGRAM	DE	CW, DE, SA	0
40	LR-39241-3	1	FLOW DIAGRAM WATER TREATMENT BRINE/WATER SOFTENER	DE	DE, SA	0
41	LR-39241-4	1	FLOW DIAGRAM - WATER TREATMENT VACUUM DEGASIFIER/ANALYTIC PNL	DE	DE, SA	0
42	LR-39241-5	1	FLOW DIAGRAM - WATER TREATMENT REVERSE OSMOSIS	DE	DE, SA	0
43	LR-39241-6	0	FLOW DIAGRAM - WATER TREATMENT REVERSE OSMOSIS/CDI	DE	DE, SA	0
44	LR-39241-7	0	FLOW DIAGRAM - WATER TREATMENT CDI/CIP	DE	DE, SA	0
45	LR-39241-8	1	FLOW DIAGRAM WATER TREATMENT MIXED BED	DE	CL, DE, DG, SA, VC	0
46	LR-39242	2	REACTOR MAKE UP & DEMINERALIZED WATER SYSTEMS FLOW DIAG. - UNITS 1 & 2	DE, VC	CD, DE, DG, RC, SF, VC, WD	0
47	LR-39243	1	FLOW DIAGRAM STATION AIR SYSTEM UNIT 1 & 2	SA	FP, SA	0
48	LR-39244	1	FLOW DIAGRAM INSTRUMENT AIR PIPING	SA	CL, FP, HC, SA	0
49	LR-39245-1	1	COMPONENT COOLING SYSTEM UNIT *1 - FLOW DIAGRAM	CC	CC, CS, DE, RC, RH, SI, VC, WD	1
50	LR-39245-2	4	UNIT *1 - FLOW DIAGRAM COMPONENT COOLING SYSTEM	CC	CC, SF, SM, VC, WD	1
51	LR-39246-1	1	COMPONENT COOLING SYSTEM UNIT *2 - FLOW DIAGRAM	CC	CC, CS, DE, RC, RH, SI, SM, VC, WD	2
52	LR-39246-2	2	UNIT 2 COMPONENT COOLING SYSTEM FLOW DIAGRAM	CC	CC, SM, VC	2
53	LR-39247	3	MISCELLANEOUS GAS SYSTEM UNITS 1 & 2 FLOW DIAGRAM	CG	CC, CG, VC, RC, SB, SI, WD	0
54	LR-39248	2	FLOW DIAGRAM UNIT 1 & 2 AUX & REACTOR BUILDING FLOOR & EQUIPMENT DRAIN SYSTEMS	WD	CC, RH, SM, VC, WD	0
55	LR-39249	2	LIQUID WASTE DISPOSAL - STEAM GEN. BLOWDOWN SYSTEM - UNITS 1 AND 2	WD	SF, TB, VC, WD	0
56	LR-39250	2	LIQUID WASTE DISPOSAL STEAM GENERATOR BLOWDOWN SYSTEM FLOW DIAGRAM UNITS 1 & 2	SB, SG, WD	CD, CG, CL, RC, SB, SG, SM, TB, VC, WD	0
57	LR-39251	2	HYDROGEN CONTROL SYSTEM UNITS 1 & 2 FLOW DIAGRAM - POST LOCA	HC	HC, SA, WD, ZC	0
58	LR-39252	0	UNIT 1 & 2 CAUSTIC ADDITION SYSTEM	CS	CS, DE	0
59	LR-39253-1	1	CONDENSATE POLISHING SYSTEM FLOW DIAGRAM - UNITS 1 & 2	CD	CD, DE, SA, WD	0
60	LR-39253-2	1	CONDENSATE POLISHING SYSTEM FLOW DIAGRAM - UNITS 1 & 2	CD	CD	0
61	LR-39253-3	1	FLOW DIAGRAM UNITS 1 AND 2 STATION AIR/CONDENSATE POLISHING	SA	CL, SA	0
62	LR-39254	1	FLOW DIAGRAM HYPOBROMOUS ACID FEED SYSTEM	CL	CL	0

DRAWING - LR SYSTEM CROSS REFERENCE

ITEM	DRAWING NUMBER	REV.	TITLE	PRIMARY SYSTEM	LICENSE RENEWAL SYSTEMS	UNIT
63	LR-39255-1	1	FLOW DIAGRAM UNITS 1 & 2 DIESEL GENERATORS D1 & D2	DG	CL, DE, DG, FO	1
64	LR-39600	2	AUXILIARY BLDG HVAC FLOW DIAGRAM	SE, ZA	SE, VC, WD, ZA, ZC, CG	0
65	LR-39601	2	TURBINE BUILDING - DIESEL GENERATOR HVAC FLOW DIAGRAM	SE, ZB, ZG	DG, SE, ZN, ZG, ZB	0
66	LR-39602-1	2	REACTOR BLDG - UNIT 1 VENTILATION FLOW DIAGRAM	ZC	CL, RD, ZC	1
67	LR-39602-2	2	REACTOR BUILDING UNIT 2 VENTILATION FLOW DIAGRAM	ZC	CL, RD, ZC	2
68	LR-39603-1	1	ADMIN. BLDG., SCREENHOUSE & CONTROL RM FLOW DIAGRAM	SE, ZG, ZN	HS, SE, ZG, ZN	0
69	LR-39603-2	0	EQUIPMENT HEAT REMOVAL SYSTEM FLOW DIAGRAM	CL	CL, WD	0
70	LR-39603-3	1	FLOW DIAGRAM LAB & SERVICE AREA A/C & CHILLED WATER SAFEGUARD SYSTEM	ZN	CL, ZN	0
71	LR-39603-4	1	FLOW DIAGRAMS - COOLING, CHILLED WTR SYS & FIRE PROT. IN AUX. & CONT. BLDGS	FP, ZN	CL, DE, FP, ZA, ZC, ZN	0
72	LR-39605-1	2	STEAM HEATING SYSTEM FLOW DIAGRAM	HS	BL, CG, CL, HS, SA, TB, VC, ZN	0
73	LR-39605-2	1	TURBINE BLDG - HOT WATER HEATING SYSTEM - FLOW DIAGRAM	HS	CG, DE, HS	0
74	LR-39605-3	1	HOT WATER HEATING SYSTEM AUX. BLDG. FLOW DIAGRAM	HS	CG, DE, HS	0
75	LR-39790-1	1	RADIATION MONITORING SYS INSTRUMENT FLOW DIAGRAM CHANNEL R-16 -12, 14,22 &24 CONTAINMENT FAN COIL COOLING WATER DISCHARGE MONITOR	RD	CL, RD, WD	0
76	LR-39790-2	1	RADIATION MONITORING SYS. INSTRUMENT FLOW DIAGRAM CHANNEL R-38 - 11, 13,21 &23 CONTAINMENT FAN COIL COOLING WATER DISCHARGE MONITOR	RD	CL, RD, WD	0
77	LR-39790-3	1	CHANNEL No 1-R-11 & 1-R-12 INSTRUMENT No 29028 & 29029	RD	RD, ZA, ZC	1
78	LR-39790-4	1	RADIATION MONITORING SYS INSTRUMENT FLOW DIAGRAM CHANNEL 2-R-11 & 2-R-12 CONTAINMENT / VENT AIR PARTICULATE & RADIO GAS MONITORS	RD	RD, ZA, ZC	2
79	LR-39790-5	1	RADIATION MONITORING SYS INSTRUMENT FLOW CHANNELI-R-22 1 SHIELD BLDG. VENT STACK GAS MONITOR	RD	RD, ZC	1
80	LR-39790-6	1	RADIATION MONITORING SYS INSTRUMENT FLOW DIAGRAM SHIELD BLDG. VENT STACK GAS MONITOR CHANNEL 2 R-22	RD	RD, ZC	2
81	LR-39790-9	1	RADIATION MONITORING SYS. INSTRUMENT FLOW DIAGRAM CHANNELS 1-R-30 & 1-R-37 AUXILIARY BUILDING VENT GAS MONITORS "B" AND "A"	RD	RD, ZA	0
82	LR-39790-10	1	CHANNEL 2-R-38 & 2-R-37 INSTRUMENT * 29005 & 29050	RD	RD, ZA	0
83	LR-39790-11	0	RADIATION MONITORING SYS INSTRUMENT FLOW DIAGRAM CHANNEL 1-R-39 UNIT 1 COMPONENT COOLING SYS LIQUID MONITORING	RD	CC, RD	1
84	LR-39790-12	0	RADIATION MONITORING SYS. INSTRUMENT FLOW DIAGRAM CHANNEL 2-R-39 UNIT 2 COMPONENT COOLING SYS LIQUID MONITOR	RD	CC, RD	2
85	LR-86172-1	1	CHILLED WATER SYSTEM - UNITS 1 & 2 - AUXILIARY BUILDING & CONTAINMENT	CL	CL, DE	0
86	LR-86172-3	1	AUXILIARY BUILDING & CONTAINMENT CHILLED WATER SYSTEM UNITS 1 &2, AUXILIARY BUILDING	CL	CL	0
87	LR-86172-4	0	AUXILIARY BUILDING & CONTAINMENT CHILLED WATER SYSTEM UNIT 1 & 2, ZE LOADS & CONTAINMENT	CL	CL, FP	0
88	LR-88740	2	UNITS 1 & 2 STEAM GEN. BLOWDOWN SYSTEM RED WING MIN	SB, SG, WD	CD, CL, SB, SG, SM, TB, WD	0
89	LR-93013	1	SERVICE BLDG ADDITION HVAC FLOW DIAGRAM - SHEET 1	ZN	DE, HS, VC, ZN	0
90	LR-100282	0	SERVICE BUILDING ADDITION FIRE PROTECTION FLOW DIAGRAM	FP	FP	0
91	LR-107229	0	UNIT 2 ELECTRIC - HYDRAULIC CONTROL SYS - TURBINE GENERATOR	TB	CL, TB	2
92	LR-107229-1	0	ELECTRIC - HYDRAULIC CONTROL SYSTEM FOR TURBINE GENERATOR UNIT *1	TB	CL, TB	1
93	LR-118240	0	FLOW DIAGRAM D5 - UNIT *2 COMBUSTION AIR INTAKE & EXHAUST	DG	DG	2
94	LR-118241	2	FLOW DIAGRAM UNIT 2 COMBUSTION AIR INTAKE & EXHAUST DIESEL GENERATOR D6	DG	DG	2
95	LR-118242	0	FLOW DIAGRAM UNIT 2 HT WATER COOLING DIESEL GENERATOR D5	DG	DE, DG	2
96	LR-118243	0	FLOW DIAGRAM D5 - UNIT *2 LT WATER COOLING	DG	DG	2
97	LR-118244	0	FLOW DIAGRAM D6 - UNIT *2 HT WATER COOLING	DG	DE, DG	2
98	LR-118245	0	FLOW DIAGRAM UNIT 2 LT WATER COOLING DIESEL GENERATOR D6	DG	DG	2
99	LR-118246	2	FLOW DIAGRAM UNIT 2 LUBE OIL SYSTEM DIESEL GENERATOR D5	DG	DG	2
100	LR-118247	0	FLOW DIAGRAM UNIT 2 LUBE OIL SYSTEM DIESEL GENERATOR D6	DG	DG	2
101	LR-118248	2	FLOW DIAGRAM UNIT 2 FUEL OIL SYSTEM DIESEL GENERATOR D5	DG	DG, FO	2
102	LR-118249	1	FLOW DIAGRAM D6 - UNIT *2 FUEL OIL SYSTEM	DG	DG, FO	2
103	LR-118250	0	DIESEL GENERATOR D5 STARTING AIR FLOW DIAGRAM UNIT 2	DG	DG	2
104	LR-118251	1	DIESEL GENERATOR D6 STARTING AIR FLOW DIAGRAM UNIT 2	DG	DG	2
105	LR-118252	1	D5/D6 DIESEL GENERATOR FUEL OIL SYSTEM FLOW DIAGRAM	FO	FO	2
106	LR-118254	1	D5 BUILDING HVAC SYSTEM FLOW DIAGRAM	ZG	ZG	2
107	LR-118255	1	D6 BLDG. HVAC SYSTEM FLOW DIAGRAM	ZG	ZG	2
108	LR-119871	2	PRAIRIE ISLAND SUB. (PRI) SUBSTATION OPERATING ONELINE DIAGRAM	N/A	N/A	0
109	LR-157545	0	CONDENSATE & RX M-U STORAGE TANKS WATER SAMPLE EQUIPMENT LAYOUT AND FLOW DIAGRAM	VC	CD, VC	0
110	LR-193817	2	SITE LAYOUT OF THE OWNER CONTROLLED AREA	N/A	N/A	0
111	LR-XH-1-7	4	REACTOR COOLANT SYSTEM FLOW DIAGRAM UNIT 1	PS, RC, RV, SG	CG, PS, RC, RH, RV, SG, SI, SM, VC, WD	1
112	LR-XH-1-29	2	UNIT 1 & 2 FLOW DIAGRAM SPENT FUEL COOLING SYSTEM	SF	CC, DE, SF, VC, WD	0
113	LR-XH-1-31	1	FLOW DIAGRAM RESIDUAL HEAT REMOVAL SYSTEM - UNIT 1	RH	CC, CL, RC, RH, SI, SM	1
114	LR-XH-1-38	1	FLOW DIAGRAM - UNIT *1 CHEMICAL & VOLUME CONTROL SYSTEM	VC	CC, RC, RH, VC, WD	1
115	LR-XH-1-39	4	FLOW DIAGRAM CHEMICAL & VOLUME CONTROL SYSTEM	VC	CC, CG, DE, SF, SI, SM, VC, WD	1
116	LR-XH-1-40	4	FLOW DIAGRAM-UNITS 1 & 2 CHEMICAL & VOLUME CONTROL SYSTEM	VC	CG, DE, VC, WD	0
117	LR-XH-1-41	1	FLOW DIAGRAM UNITS 1 & 2 CHEMICAL & VOLUME CONTROL SYSTEM	VC	HS, SI, SM, VC	0
118	LR-XH-1-44	2	FLOW DIAGRAM UNIT 1 SAFETY INJECTION SYSTEM	SI	CG, RC, RH, SI, WD	1
119	LR-XH-1-45	3	SAFETY INJECTION SYSTEM FLOW DIAGRAM UNIT 1	SI	CC, CS, RH, SF, SI, VC, WD	1
120	LR-XH-1-123	3	WASTE DISPOSAL SYSTEM FLOW DIAGRAM	WD	CG, RC, SI, VC, WD	0
121	LR-XH-1-124	3	FLOW DIAGRAM WASTE DISPOSAL SYSTEM UNIT 1 & 2	WD	CC, DE, VC, WD, ZA	0
122	LR-XH-1-405	2	BORIC ACID EVAP. & GAS STRIPPER FLOW DIAGRAM	VC	CC, CG, DE, HS, VC, WD	0
123	LR-XH-1-664	0	RADIOACTIVE WASTE EVAPORATOR FLOW DIAGRAM	WD	CC, CG, WD	0
124	LR-XH-2-15	1	UNIT 1 PIPING STEAM DRAIN AND GLAND FLOW DIAGRAM	TB	TB	1

DRAWING - LR SYSTEM CROSS REFERENCE

ITEM	DRAWING NUMBER	REV.	TITLE	PRIMARY SYSTEM	LICENSE RENEWAL SYSTEMS	UNIT
125	LR-XH-2-16	2	PIPING STEAM DRAIN & GLAND FLOW DIAGRAM - UNIT *1	TB	CD, TB, MS	1
126	LR-XH-2-16A	1	STEAM DRAIN & GLAND UNIT *1 PIPING - FLOW DIAGRAM	TB	TB	1
127	LR-XH-248-1-1	1	GRAB SAMPLE PANEL, SURVEY PANEL AND HOT LAB UNIT 1 P & ID	SM	CC, SM	1
128	LR-XH-248-1-2	1	P & ID - UNIT *2 GRAB SAMPLE PANEL & HOT LAB	SM	CC, SM	2
129	LR-XH-248-1-3	1	P & ID - SAMPLE SYSTEM CHILLED WATER UNITS	SM	CC, SA, SM	0
130	LR-XH-550-1	5	WASTE DISPOSAL SYSTEM FLOW DIAGRAM-UNITS 1 & 2	WD	VC, WD, CC	0
131	LR-XH-550-6-1	1	CATALYTIC HYDROGEN RECOMBINER - A(*12) SPIN NSP -GHRECA-02 (LOW LEVEL)	WD	CC, DE, WD	0
132	LR-XH-550-6-2	1	CATALYTIC HYDROGEN RECOMBINER - B(*122) SPIN NSP -GHRECA-01 (HIGH LEVEL)	WD	CC, DE, WD	0
133	LR-XH-1001-3	4	REACTOR COOLANT SYSTEM FLOW DIAGRAM-UNIT 2	PS, RC, RV, SG	CG, PS, RC, RH, RV, SG, SI, SM, VC, WD	2
134	LR-XH-1001-4	1	FLOW DIAGRAM CHEMICAL & VOLUME CONTROL SYSTEM	VC	CC, RC, RH, VC, WD	2
135	LR-XH-1001-5	4	FLOW DIAGRAM CHEMICAL & VOLUME CONTROL SYSTEM	VC	CC, CG, DE, SI, SM, VC, WD	2
136	LR-XH-1001-6	2	FLOW DIAGRAM SAFETY INJECTION SYSTEM	SI	CG, RC, RH, SI, WD	2
137	LR-XH-1001-7	3	SAFETY INJECTION SYSTEM FLOW DIAGRAM UNIT 2	SI	CC, CS, RH, SF, SI, VC, WD	2
138	LR-XH-1001-8	2	FLOW DIAGRAM RESIDUAL HEAT REMOVAL SYSTEM - UNIT 2	RH	CC, CL, RC, RH, SI, SM, VC	2
139	LR-XH-1001-128	2	BORIC ACID EVAP. & GAS STRIPPER FLOW DIAGRAM	VC	CC, CG, DE, HS, VC, WD	0
140	LR-XH-1002-43	1	STEAM DRAIN & GLAND FLOW DIAGRAM	TB	TB	2
141	LR-XH-1002-44	2	PIPING STEAM DRAIN & GLAND FLOW DIAGRAM - UNIT 2	TB	TB, CD, MS	2
142	LR-XH-1002-45	1	STEAM DRAIN AND GLAND UNIT *2 PIPING - FLOW DIAGRAM	TB	TB	2
143	LR-XH-2000-9	0	PIPING & INSTRUMENTATION DIAGRAM CONDENSATE FILTER DEMINERALIZER	CD	CD, SA	1
144	LR-XH-2000-10	0	PIPING & INSTRUMENTATION DIAGRAM CONDENSATE FLTR DEMIN - UNIT *2	CD	CD, SA	2

LR SYSTEMS

AF - AUXILIARY FEEDWATER
BL - BLEED STEAM
CC - COMPONENT COOLING
CD - CONDENSATE
CG - MISCELLANEOUS GAS
CL - COOLING WATER
CS - CONTAINMENT SPRAY
CW - CIRCULATING WATER
DE - WATER TREATMENT
DG - DIESEL GENERATOR AND SUPPORT SYSTEM
FO - FUEL OIL
FP - FIRE PROTECTION
FW - FEEDWATER
HC - CONTAINMENT HYDROGEN CONTROL
HS - HEATNG STEAM
MS - MAIN STEAM
PS - PRESSURIZER
RC - REACTØR COOLANT
RD - RADIATION MONITORING
RH - RESIDUAL HEAT REMOVAL
RV - REACTOR VESSEL
SA - STATION AND INSTRUMENT AIR
SB - STEAM GENERATOR BLOWDOWN
SE - STEAM EXCLUSION
SF - SPENT FUEL POOL COOLING
SG - STEAM GENERATOR
SI - SAFETY INJECTION
SM - SAMPLING SYSTEM
TB - TURBINE GENERATOR AND SUPPORT SYSTEM
VC - CHEMICAL VOLUME CONTROL
WD - WASTE DISPOSAL
ZA - AUX. AND RADWASTE AREA VENTILATION
ZB - TURBINE AND ADMINISTRATION BUILDING VENTILATION
ZC - PRIMARY CONTAINMENT VENTILATION
ZG - DIESEL GENERATOR & SCREENHOUSE VENTILATION
ZN - CONTROL ROOM AND MISCELLANEOUS AREA VENTILATION

LICENSE RENEWAL NOTES:

1. PIPING AND INSTRUMENTATION DRAWINGS HAVE BEEN PREPARED TO IDENTIFY MECHANICAL COMPONENTS (INCLUDING INSTRUMENTATION THAT MAY HAVE THE POTENTIAL TO PERFORM A PRESSURE BOUNDARY FUNCTION) THAT ARE WITHIN THE SCOPE OF LR IN ACCORDANCE WITH 10 CFR 54.
2. SITE PLAN DRAWING (LR-193817) HAS BEEN PREPARED TO IDENTIFY STRUCTURES, BUILDINGS, AND HOUSES THAT ARE WITHIN THE SCOPE OF LR IN ACCORDANCE WITH 10 CFR 54.4.
3. ELECTRICAL ONE-LINE DRAWING (LR-119871) HAS BEEN PREPARED TO IDENTIFY ELECTRICAL COMMODITIES THAT ARE WITHIN THE SCOPE OF LR IN ACCORDANCE WITH 10 CFR 54.4 (a)(3) TO SUPPORT SBO RECOVERY PATH.
4. INSTRUMENT AND VALVE LEGEND (LR-39214 REV. 1) HAS BEEN CREATED FOR LICENSE RENEWAL.
5. AS PART OF THE LICENSE RENEWAL BOUNDARY DRAWING DEVELOPMENT, THE DRAWING BORDERS MAY HAVE CHANGED; THEREFORE, CROSS REFERENCE GRID LOCATIONS MAY NOT BE ACCURATE.

REVISIONS

0
DRAWN BY: JLB
DATE: 12-14-07
PREPARED BY: WJI
DATE: 12-14-07
REVIEWED BY: SRM
DATE: 12-14-07

1
REVISED LR DWG REV NUMBERS AND ADDED NOTE 4.
DRAWN BY: JLB
DATE: 2-22-08
PREPARED BY: WJI
DATE: 2-22-08
REVIEWED BY: SRM
DATE: 2-22-08

2
ADDED LR NOTE 5, REVISED LR SYSTEM FOR AFFECTED DWGS.
DRAWN BY: JLB
DATE: 4-01-08
PREPARED BY: WLI
DATE: 4-01-08
REVIEWED BY: SRM
DATE: 4-01-08

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
CHECKED
PROJECT NO.
APP'D & CERT.
FILMED

SIGNIFICANT NO. 8630
GROUP 1 2 3 4 5 CL 6

FLOW DIAGRAM INDEX UNITS 1 & 2

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

SCALE | REV 2
LR-40798-1

$$$$SYSTIME$$$$ $$$$DATE$$$$ $$$$DESIGNFILE$$$$

LR-40798-1.DGN NSP GENERATION CAD

D-002