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DAIRYLAND POWER COOPERATIVE

La Crosse, Wisconsin

54601

December 11, 1978

In reply, please refer to LAC-6032

DOCKET NO. 50-409

Director of Nuclear Reactor Regulation
ATTN: Mr. Dennis L. Ziemann, Chief
Operating Reactors Branch #2
Division of Operating Reactors
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

SUBJECT: DAIRYLAND POWER COOPERATIVE
LA CROSSE BOILING WATER REACTOR (LACEWR)
PROVISIONAL OPERATING LICENSE NO. DPR-45
SYSTEMATIC EVALUATION PROGRAM (SEP)-DRAWINGS

Reference: (1) NRC Letter, Ziemann to Madgett,
dated October 26, 1978.

Gentlemen:

Your request for additional drawings (Reference 1) has been reviewed to determine what additional drawings are available for the three SEP topics. The results of our review together with five copies of the applicable drawings are attached.

If there are any questions concerning this submittal, please contact us.

Very truly yours,

DAIRYLAND POWER COOPERATIVE

Frank Linder, General Manager

FL:JDP:af

cc: J. Keppler, Reg. Dir., NRC-DRO III

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REQUEST FOR ADDITIONAL INFORMATION (Ref. NRC Letter, Ziemann to Madgett, dated October 26, 1978):

1. Topic VI-7.B ESF Switchover From Injection to Recirculation Mode (Automatic ECCS Realignment)

The above topic does not apply to the LACBWR systems.

2. Topic VII-1.A. Isolation of Reactor Protective Systems from Non-Safety Systems, Including Qualification of Isolation Devices

- a. Reactor Protective System input signals shown on drawings 41-503-207, 41-503-213, Sheets 1 and 2.
- b. Reactor Protective Systems have an independent transmitter for each channel and are not inner connected to other non-safety related plant equipment.

No isolation devices are used at LACBWR.

3. Topic VII-2. Engineered Safety Features (ESF) System Logic and Design

- a. Loads are feed from Essential Bus 1A and Essential Bus 1B during normal operation, including normal shutdown. See attached Diesel Generator Load Sheet.
- b. Loads are feed from Essential Bus 1A and Essential Bus 1B. If loss of power on Bus 1A and 1B during a LOCA, the Diesel Generator 1A and 1B would pick up the loads. See attached Diesel Generator Load Sheet.
- c. Same as "A", if no loss of power to Bus 1A or 1B.
Same as "B", if power loss on Bus 1A or 1B.

1A EMERGENCY GENERATOR LOADS
(250 KW)(312 KVA)

ITEM	SIZE	NORMAL OPERATION	SHUTDOWN	LOCA	Loss of Outside Grid
Radiator Fan	8 KVA	Int.	Int.	X	X
Day Tank F.O. Transfer Pump	.6	Int.	Int.	Int.	Int.
Core Spray Pump 1A	50			X	Int.
T.B. MCC 1A		X	X	X	X
Reactor Plant Battery Charger	29 KVA	X	X	X	X
120 Volt Regulated Bus and 120 Volt Dist. Panel	25	X	X	X	X
CRD Hydraulic Pump 1B	5.25	X	Int.	Int.	Int.
Alternate Core Spray Valve	.76			X	
Demin. Water Transfer Pump 1A	7.4	X	X	X	X
CR Nozzle Effluent Pump 1B	1.82	X	X	X	X
Shield Cooling Pump 1B	5.2	X	X	X	X
G.P. Main Steam Shut-Off Valve	4.2	Int.	Int.	Int.	Int.
Voltage and Speed Regulator for Inverter	---				
Cont. Rm. Emergency Lighting	2	S.D.	S.D.	S.D.	X
Stack Monitor Vacuum Pump	1.9	X	X	X	X
Back-Up Instrument Air Compressor	5.2	S.D.	S.D.	S.D.	X
Component Cooling Pump 1B	45.7	X	X	X	X

X = Normally operating in this mode.
Int. = Intermittent operating in this mode.
S.D. = Normally not operating in this mode.

1B EMERGENCY GENERATOR LOADS
(500 KW)(625 KVA)

ITEM	SIZE	NORMAL OPERATION	SHUTDOWN	LOCA	Loss of Outside Grid
Seal Injection Pump 1B	57.9 KVA	X	Int.	X	X
Emergency Core Spray Pump 1B	49.9			X	Int.
Decay Heat Pump	19.8		X		Int.
Component Cooling Pump 1A	45.7	X	X	X	X
CRD Hydraulic Pump 1A	5.25	X	X	X	X
CR Nozzle Effluent Pump 1A	1.82	X	X	X	X
Shield Cooling Pump 1A	5.18	X	X	X	X
Reactor Building Stand Pipe Heater	2	X		X	X
Vent Monitor Vacuum Pump	1.9	X	X	X	X
Demin. Water Transfer Pump 1B	7.39	X	X	X	X
CRD Motors #1 Through #29	15.47	Int.			Int.
Fuel Storage Well Pump 1B	7.16	X	X	X	X
Diesel Bldg. Battery Charger	51	X	X	X	X
Diesel Rm. Roof Vent Mtr. #1	8			Int.	Int.
Diesel Engine Radiator Fan Motor	15.47			X	X
Diesel Rm. Roof Vent Mtr. #2	8			Int.	Int.
Diesel Building F.O. Transfer Pump 1A	.7			X	X
Diesel Building F.O. Transfer Pump 1B	.7			X	X
Gen. Rm. HVAC Heater #1	5	Int.	Int.	Int.	Int.
Gen. Rm. HVAC Heater #2	5	Int.	Int.	Int.	Int.
Battery Room Unit Heater	4	Int.	Int.	Int.	Int.
Elect. Equip. Rm. Heater #1	7.5	Int.	Int.	Int.	Int.
Elect. Equip. Rm. Heater #2	7.5	Int.	Int.	Int.	Int.
D.B. 120 Volt Dist. Panel	15	X	X	X	X

X = Normally operating in this mode.
Int. = Intermittent operating in this mode.