



**Commonwealth Edison**  
LaSalle County Nuclear Station  
Rural Route #1, Box 220  
Marseilles, Illinois 61341  
Telephone 815/357-6761

DMB

February 8, 1984

Mr. James G. Keppler  
Regional Administrator  
Region III  
U.S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137

Dear Sir:

This special report is submitted in accordance with LaSalle Unit 1 Operating License NPF-11, Appendix A, Technical Specifications 3.7.7 and 6.6.c. This letter supplements the special report submitted on January 16, 1984.

Between December 16, 1983, and January 1, 1984, the 0, 1A, 2A, and 1B Diesel Generator Rooms and U-2 Division 1 Switchgear Room temperatures were outside the limits of Unit 1 Technical Specification 3.7.7. A special log of ambient room temperatures was measured hourly. Table 1 indicates the amount by which the 65°F limit was exceeded and the cumulative time the temperature in the affected area exceeded the limit. The U-1 Technical Specification requires a minimum room temperature of 65°F and a maximum of 122°F (or maximum of 104°F for the Switchgear Room) when the serviced equipment is not operating. The Unit 2 Technical Specification, however, has a 50°F minimum for the 0, 2A, and 1A Diesel Generator Rooms and the U-2 Division 1 Switchgear Rooms. This event occurred while LaSalle Unit 1 was in Cold Shutdown and during severe outside weather conditions. At no time did the temperatures in the affected areas drop to less than 40°F (25°F below the limit of Table 3.7.7-1) and no equipment was declared inoperable due to low temperatures.

An analysis by Sargent & Lundy has been performed as required by Technical Specification 3.7.7. All of the equipment in the Diesel Generator and Switchgear Rooms that is safety related or required for safe shutdown is qualified for operation to a temperature as low as 38°F and the equipment can operate at that temperature without adverse effects.

The 125 Volt and 250 Volt Division 1 batteries in the Unit 2 Division 1 Switchgear Room had their capacities reduced by approximately 20% during this period, however, this reduction in capacity had no effect on Unit 1 (125 Volt battery only required for closing the AC unit crosstie breaker) or on Unit 2 which was in refueling mode.

The rooms' temperature changes were gradual which precludes condensation inside equipment located in these areas.

8402150352 840208  
PDR ADOCK 05000373  
S PDR

FEB 9 1984  
IEOI 1/1

Mr. James G. Keppler

February 8, 1984

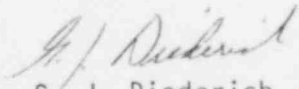
From weather data summaries collected by Murray & Trettel Inc. for the period in question, the outside air dewpoint temperature never exceeded the inside drybulb temperatures. Consequently, there was no possibility of incipient condensation forming on the equipment inside the Diesel Generator or Switchgear Rooms.

The primary cause of low room temperatures in the Diesel Generator Rooms was due to leakage around the exhaust ducts. This resulted in a flow of cold air into the Diesel Generator Rooms. The leaks have been sealed and additional station heaters installed in Diesel Generator Room 2A per Modification M-1-2-82-015 and are being installed in the 0, 1A, and 1B Diesel Generator Rooms per M-1-0-82-069.

The cause of the low room temperature in the U-2 Division I Switchgear Room was due to the failure of 2VX19YA outside air suction damper and 2VX26Y recirculation damper actuators which reverted to their failed open and failed closed positions respectively.

The dampers were moved to the recirculation mode which has the suction damper closed and the recirculation damper opened.

The temperatures in all the rooms have returned within the limits of the Technical Specifications. Work Requests have been written to replace the damaged damper actuators.

  
G. J. Diederich  
Superintendent  
LaSalle County Station

GJD/JCR/PSW/rg

cc: LSCS Senior Resident Inspector

Table 1

Cumulative Time Temperature Exceeded its limit.

$\Delta T(^{\circ}F)$	# of Hours				
	0 D/G	1A D/G	1B D/G	2A D/G	4-2 D.2 SWOREM
1	14	51	23	19	0
2	36	44	33	28	2
3	51	56	16	32	3
4	24	20	7	11	0
5	31	21	15	21	1
6	52	10	4	21	6
7	30	5		13	20
8	12			4	1
9	8			7	10
10	2			4	4
11	5			11	5
12	14			3	3
13	3			1	11
14	2			1	3
15	24			1	13
16				0	4
17				4	4
18				5	1
19				5	3
20				6	4
21				7	1
22				8	1
23				3	3
24				0	5
25				2	6