



Commonwealth Edison
Dresden Nuclear Power Station
R.R. #1
Morris, Illinois 60450
Telephone 815/942-2920

May 18, 1989

EDE LTR #89-408

U.S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Licensee Event Report #89-015-0, Docket #050237 is being submitted as required by Technical Specification 6.6, NUREG 1022 and 10 CFR 50.73(a)(2)(iv).

E.D. Eenigenburg
Station Manager
Dresden Nuclear Power Station

EDE/ade

Enclosure

cc: A. Bert Davis, Regional Administrator, Region III
File/NRC
File/Numerical

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TEXT Energy Industry Identification System (EIIS) codes are identified in the text as [XX]

C. APPARENT CAUSE OF EVENT:

This report is being submitted in accordance with the requirements of 10CFR50.73(a)(2)(iv) which requires the reporting of any event or condition that results in the manual or automatic actuation of any Engineered Safety Feature (ESF).

The cause of the continuous run thermal overload trips has been attributed to high temperatures in the MCC breaker cubicle. This event was investigated in accordance with the Problem Analysis Data Sheet (PADS) program, and it was determined that the combination of heat from the distribution transformers in the MCC near the cubicle, and high ambient temperatures in the vicinity of the MCC contributed to the high temperature in the cubicle. The elevated temperature at the MCC were contributed to a combination of warm weather and the Turbine Building Ventilation [VK] System configuration at the time of the events.

D. SAFETY ANALYSIS OF EVENT:

The purpose of the RPS is to monitor the critical parameters of reactor operation to protect against condition: that could degrade the fuel barriers and the reactor coolant pressure boundary. The RPS logic fails conservatively whenever it is de-energized. The de-energized bus was quickly put on reserve power and the affected systems were returned to normal. As all systems performed as intended, the safety significance of this event is considered minimal.

E. CORRECTIVE ACTIONS:

The immediate corrective action was to place the RPS Bus B on reserve power and reset the half scram. The thermal overloads were then cleaned and tested. The thermal overload heater had an amperage rating of 35.8 amps. The A and C phases of the breaker were found to operate at 31 amps and 34 amps respectively. Although these results were acceptable, it was decided to increase the thermal overload heater one size and increase the thermal overload setting from 100% to 115% in order to prevent future premature trips. This setpoint change was evaluated and approved in accordance with Dresden Administrative Procedure (DAP) 11-11, Control of Setpoint Changes. The new thermal overload heater has an amperage rating of approximately 40 amps. As a long term corrective action the thermal overloads will be changed out with ambient compensated thermal overloads during the next outage of sufficient length to complete this work (237-200-89-07201).

F. PREVIOUS OCCURRENCES:

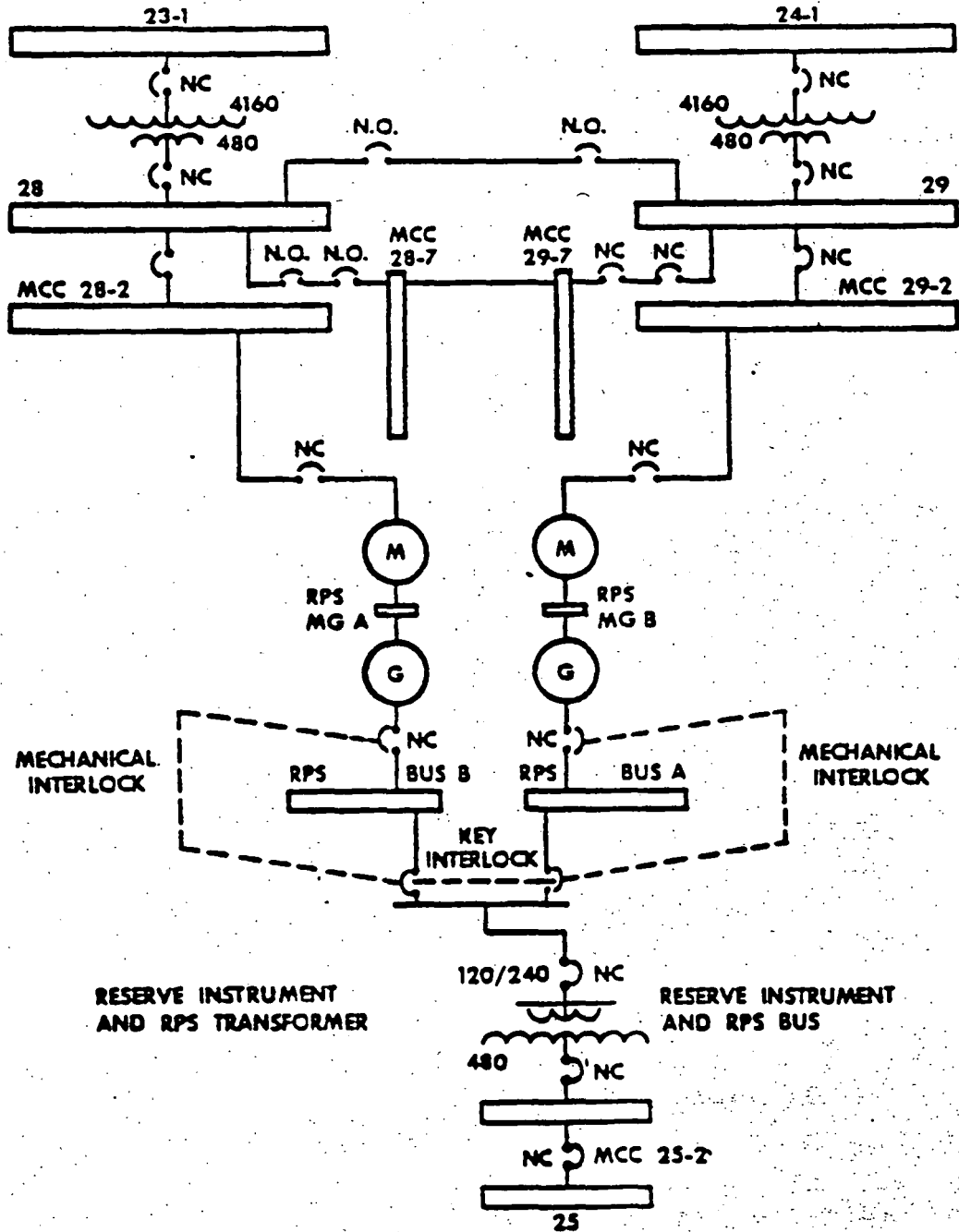
<u>LER/Docket Number</u>	<u>Title</u>
88-013/050249	Loss of the 3A Reactor Protection System Bus and Subsequent ESF Actuations Due to a Loose Wire Connection.
	This event was caused by a loose wire connection to a thermal overload. The loose connection heated the thermal overload to the point that it tripped the RPS MG set. The corrective actions were to secure the connection and revise maintenance procedures to ensure that thermal overload connections are secure following maintenance.

G. COMPONENT FAILURE DATA:

As no component failures occurred during this event, this section is not applicable and an NPRDS search was not performed.

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REACTOR PROTECTIVE SYSTEM DISTRIBUTION

Figure 1