REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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FACIL:50-244 Robert Emmet Ginna Nuclear Plant, Unit 1, Rochester G 05000244
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CRUTCHFIELD,D. Operating Reactors Branch 5

SUBJECT: Discusses commitment to install environmentally qualified items by 820630.Several solenoid valves & resistance temp detectors could not be completed during current outage,but will be installed during Spring 1983.

DISTRIBUTION CODE: A048S COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 2
TITLE: Equipment Qualification (OR & PRE-OL)

NOTES:NRR/DL/SEP 1cy. 05000244

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June 10, 1982

Director of Nuclear Reactor Regulation
Attention: Mr. Dennis M. Crutchfield, Chief
Operating Reactors Branch No. 5
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Environmental Qualification of Electrical Equipment
R. E. Ginna Nuclear Power Plant
Docket No. 50-244

Dear Mr. Crutchfield:

In RG&E's October 31, 1980 submittal regarding this subject, RG&E stated that we planned to install several environmentally qualified items by June 30, 1982, assuming equipment procurement and availability made this possible. RG&E has installed most of the equipment, including all transmitters, sump "B" level switches, and 29 solenoid valves. The installation of several solenoid valves, as well as the RTD's, could not be completed during this outage due to design, procurement, and delivery problems. Justification for interim continued operation was discussed in paragraphs IV.31, IV.32, and IV.39 of the October 31 report. RG&E does intend to replace the rest of the solenoid valves at the next scheduled refueling outage, in Spring 1983. Replacement of the RTDs also will be initiated during that outage. The schedule for final replacement of these items is consistent with the schedule stated in draft rule 10CFR50.49, Section (h).

In paragraph IV.30 of RG&E's October 31, 1980 environmental qualification report, it is stated that the main steam isolation valves will perform their function upon loss of power to their solenoid valves. As presently configured, the MSIVs will fail closed upon loss of instrument air power, when some air is bled from the cylinder. However, the MSIVs would fail as-is upon loss of electric power. Each main steam isolation valve is controlled by two redundant sets of solenoid valves; each redundant set being powered by a separate qualified d.c. power supply. The operation of either set of solenoid valves will cause the MSIVs to close. Thus, a single failure would not cause failure of the MSIVs to isolate the main steam lines. The Lawrence solenoid valves presently installed are rated to operate at a temperature of up to 250°F, which is greater than that expected in the intermediate building in the event of a postulated steam line break

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(~215°F). Also, the pressure increase is very low (~0.8 psig) and would not be expected to affect the valves. Thus, it would be expected that steam line isolation could be effected, using the solenoid valves presently in place. However, proper documentation is not available; thus, RG&E intends to replace these solenoid valves consistent with the schedule provided above.

Very truly yours,

John E. Maier