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

SUBJECT: Advises that requirements of NUREG-0737, Item II.B.2 re plant shielding design review fulfilled. Const continuing on subsequent phases of radwaste control panel mods.

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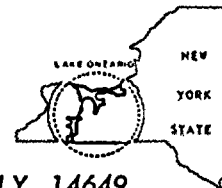
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November 21, 1983

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: NUREG 0737, Item II.B.2, Plant Shielding
R. E. Ginna Nuclear Power Plant
Docket No. 50-244

Dear Mr. Crutchfield:

TMI Action Plan Requirements specified that a radiation and shielding design review be performed of spaces that may contain highly radioactive material following an accident. The purpose of the review was to increase the "capability of operators to control and mitigate the consequences of accidents". The review was to include vital area spaces which were defined as areas "which will or may require occupancy to permit an operator to aid in the mitigation of or recovery from an accident". Radwaste control stations were suggested as areas to be considered for review.

RG&E performed the required review and in previous letters (see our letters dated December 15, 1980, September 4, 1981, November 25, 1981 and December 2, 1982) described the results of the reviews and the resulting plant modifications. Included among the modifications was a new radwaste remote control system. However, as we stated in previous submittals, it was difficult to define under what circumstances the radwaste system might be used following accidents with high source terms. The post accident objectives identified for the shielding review for radwaste systems were to retain the access necessary to terminate releases, to limit the radioactivity that might be transferred to the auxiliary building and to monitor important system parameters. A detailed review of existing controls showed that no additional control capability was necessary. Required control capability is available remotely in the control room. It was determined that remote indication of certain parameters would facilitate use of components of the radwaste systems during post accident conditions. Thus, installation of remote indication for the parameters

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DATE November 21, 1983

TO Mr. Dennis M. Crutchfield

listed below constitutes the additional capability necessary to meet the requirements of NUREG-0737.

- | | |
|-------------|----------------------------|
| 1) LI-1001 | Waste Holdup Tank Level |
| 2) LI-153 | 1C CVCS Hold-up Tank Level |
| 3) LI-154 | 1B CVCS Hold-up Tank Level |
| 4) LI-156 | 1A CVCS Hold-up Tank Level |
| 5) PI-1036 | 1A Gas Decay Tank Pressure |
| 6) PI-1037 | 1B Gas Decay Tank Pressure |
| 7) PI-1038 | 1C Gas Decay Tank Pressure |
| 8) PI-1039 | 1D Gas Decay Tank Pressure |
| 9) PI-1025 | Vent Header Pressure |
| 10) PI-155 | CVCS Gas Pressure |
| 11) PI-1066 | Nitrogen Pressure |
| 12) PI-1004 | RCDT Pressure |
| 13) LI-1003 | RCDT Level |
| 14) TI-1058 | RCDT Temperature |

These indications are available at two operating terminals remote from the panel as well as at the panel itself. The terminals are located in the Technical Support Center and at the auxiliary building drumming station. All modification work for this phase has been completed and the terminals and indications have been tested. A procedure has been implemented on the use of the equipment, and several operators on each shift have been trained to use the terminals. Thus, the TMI requirement to not unduly limit access to areas such that the operators can control and mitigate the consequences of an accident with no undue radiation exposure has been met.

Although the TMI requirements have been met, construction work continues on subsequent phases of the radwaste control panel modifications. The additional work will provide additional system process indication and remote control capability for most radwaste processing subsystems which will improve operator productivity and reduce normal occupational radiation exposure. These additional modifications are not necessary to meet TMI requirements.

Very truly yours,


J. E. Maier

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