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 FACIL: 50-244 Robert Emmet Ginna Nuclear Plant, Unit 1, Rochester G 05000244
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 MECREDY, R.C. Rochester Gas & Electric Corp.
 RECIPIENT NAME: RECIPIENT AFFILIATION
 JOHNSON, A.R. Project Directorate I-3

SUBJECT: Advises of util decision to pursue resolution of offsite power sys analyses internally.

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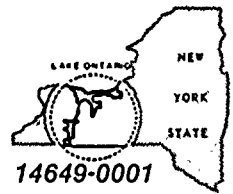
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November 30, 1990

U.S. Nuclear Regulatory Commission
Document Control Desk
Attn: Allen R. Johnson
Project Directorate I-3
Washington, D.C. 20555

Subject: Offsite Power System Analyses
R.E. Ginna Nuclear Power Plant
Docket No. 50-244

Dear Mr. Johnson:

In RG&E's letter of September 20, 1990, regarding information of Ginna Station's reconfigured Offsite Power System, we stated that further evaluation of the test methodology for diesel generators was being pursued. As mentioned in that letter, the present monthly test configuration could result in certain breakers exceeding their interrupting rating if a concurrent phase-to-phase fault occurred. This postulated single failure at the time of the test could result in the loss of an equipment item being operated at that time (e.g. a Service Water Pump). This could result in a loss of redundancy, with the potential for a required plant shutdown. Because of the economic consequences of such an occurrence, RG&E determined that corrective action should be investigated.

A probabilistic risk analysis was performed on the existing test configuration. The results showed a probability of $1.84E-03$ per year of such an occurrence. An alternate method of testing the diesels was proposed that would limit the breaker short circuit duties to within their acceptance criteria. The new method would have required a reconfiguration of the normally operating components before and after the testing. A PRA analysis was performed on the proposed change which indicated an increase in the frequency of a plant transient occurrence to $2.05E-02$, based on the potential for human error. This alternative test method will, therefore, not be pursued.

Because this is an economic issue for RG&E, rather than a safety concern, RG&E will pursue resolution of this issue internally. No

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further requests for NRC resources will be made for this aspect of our Offsite Power System modification.

Very truly yours,



Robert C. Mecredy

THM/126

Attachment

xc: Mr. Allen R. Johnson (Mail Stop 14D1)
Project Directorate I-3
Washington, D.C. 20555

U.S. Nuclear Regulatory Commission
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Ginna Senior Resident Inspector

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