



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20555

April 23, 1981

Docket No. 50-244  
LS05-81-04-050

Mr. John E. Maier  
Vice President  
Electric and Steam Production  
Rochester Gas and Electric Corporation  
89 East Avenue  
Rochester, New York 14649

Dear Mr. Maier:

SUBJECT: DIESEL GENERATOR SURVEILLANCE AND TESTING - R. E. GINNA NUCLEAR  
POWER PLANT

The Commission has issued the enclosed Amendment No. 41 to Provisional  
Operating License No. DPR-18 for the R. E. Ginna Nuclear Power Plant.  
This amendment responds to your application notarized November 16, 1977  
(submitted by letter dated November 21, 1977).

The amendment modifies the Technical Specifications for the R. E. Ginna  
Nuclear Power Plant to remove an inconsistency regarding the electrical  
load to be added to the generator during testing. The Technical Specifi-  
cations regarding diesel generator surveillance and testing have also been  
expanded in conformance with your suggested changes.

Changes have been made to your submittal as mutually agreed upon during  
telephone conversations with your staff.

Copies of our Safety Evaluation and Notice of Issuance are also enclosed.

Sincerely,

*Dennis M. Crutchfield*  
Dennis M. Crutchfield, Chief  
Operating Reactors Branch #5  
Division of Licensing

Enclosures:

1. Amendment No. 41  
to DPR-18
2. Safety Evaluation
3. Notice

cc w/enclosures:  
See next page

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Mr. John E. Maier

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April 23, 1981

cc w/enclosures:

Harry H. Voigt, Esquire  
LeBoeuf, Lamb, Leiby and MacRae  
1333 New Hampshire Avenue, N. W.  
Suite 1100  
Washington, D. C. 20036

Mr. Michael Slade  
12 Trailwood Circle  
Rochester, New York 14618

Rochester Committee for  
Scientific Information  
Robert E. Lee, Ph.D.  
P. O. Box 5236 River Campus  
Station  
Rochester, New York 14627

Jeffrey Cohen  
New York State Energy Office  
Swan Street Building  
Core 1, Second Floor  
Empire State Plaza  
Albany, New York 12223

Director, Technical Development  
Programs  
State of New York Energy Office  
Agency Building 2  
Empire State Plaza  
Albany, New York 12223

Rochester Public Library  
115 South Avenue  
Rochester, New York 14604

Supervisor of the Town  
of Ontario  
107 Ridge Road West  
Ontario, New York 14519

Resident Inspector  
R. E. Ginna Plant  
c/o U. S. NRC  
1503 Lake Road  
Ontario, New York 14519

Ezra I. Bialik  
Assistant Attorney General  
Environmental Protection Bureau  
New York State Department of Law  
2 World Trade Center  
New York, New York 10047

Director, Criteria and Standards  
Division  
Office of Radiation Programs  
(ANR-460)  
U. S. Environmental Protection  
Agency  
Washington, D. C. 20460

U. S. Environmental Protection  
Agency  
Region II Office  
ATTN: EIS COORDINATOR  
26 Federal Plaza  
New York, New York 10007

Herbert Grossman, Esq., Chairman  
Atomic Safety and Licensing Board  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dr. Richard F. Cole  
Atomic Safety and Licensing Board  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Dr. Emmeth A. Luebke  
Atomic Safety and Licensing Board  
U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Mr. Thomas B. Cochran  
Natural Resources Defense Council, Inc.  
1725 I Street, N. W.  
Suite 600  
Washington, D. C. 20006



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ROCHESTER GAS AND ELECTRIC CORPORATION

DOCKET NO. 50-244

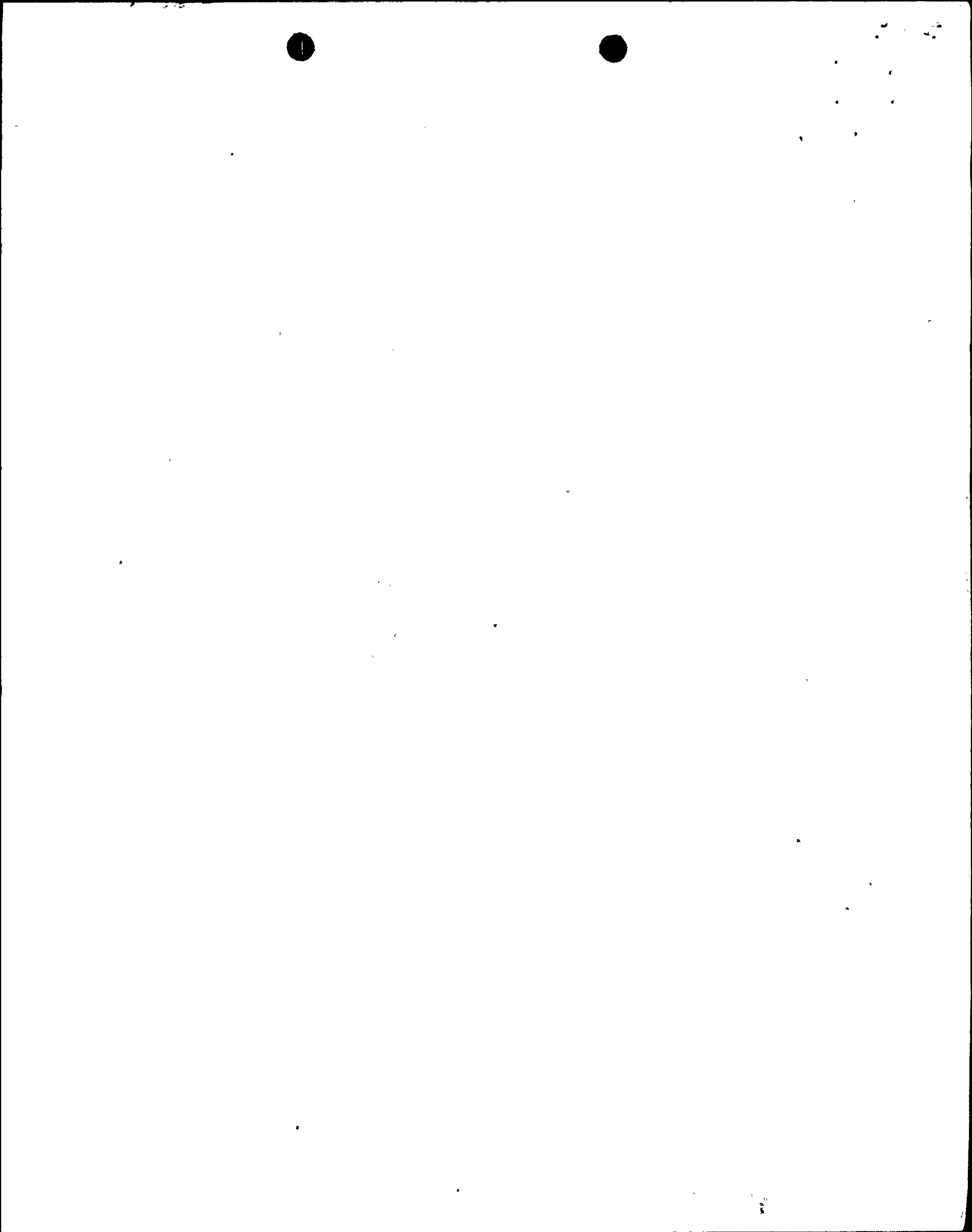
R. E. GINNA NUCLEAR POWER PLANT

AMENDMENT TO PROVISIONAL OPERATING LICENSE

Amendment No. 41  
License No. DPR-18

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Rochester Gas and Electric Company (the licensee) notarized November 16, 1977 (transmitted by letter dated November 21, 1977), complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the filing, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public; and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public;  
and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

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2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and Paragraph 2.C(2) of Provisional Operating License No. DPR-18 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendix A, as revised through Amendment No. 41, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

  
Dennis M. Crutchfield, Chief  
Operating Reactors Branch #5  
Division of Licensing

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: April 23, 1981

ATTACHMENT TO LICENSE AMENDMENT NO. 41

PROVISIONAL OPERATING LICENSE NO. DPR-18

DOCKET NO. 50-244

Revise Appendix A Technical Specifications by removing the pages identified below and inserting the enclosed pages. The revised pages contain the captioned amendment number and vertical lines which indicate the area of change.

Remove

4.6-1

- - -

4.6-2

Insert

4.6-1

4.6-1a

4.6-2



Applicability

Applies to periodic testing and surveillance requirements of the emergency power system.

Objective

To verify that the emergency power system will respond promptly and properly when required.

Specification

The following tests and surveillance shall be performed as stated:

4.6.1 Diesel Generators

Each diesel generator shall be demonstrated operable:

- a. Except during cold or refueling shutdown at least once per 31 days by:
  1. Verifying the fuel level in the day tank,
  2. Verifying a minimum oil storage of 10,000 gallons is at the station,
  3. Verifying the fuel transfer pump can be started and transfer fuel from the storage system to the day tank,
  4. Verifying the diesel starts from normal standby conditions,
  5. Verifying the generator is synchronized, loaded to at least 1950 kw but less than the 2 hour rating of 2250 kw and operates for at least 60 minutes but less than 120 minutes,
  6. Verifying the diesel generator is aligned to provide standby power to the associated emergency buses.
- b. The tests in specification 4.6.1a will be performed prior to exceeding 5% power if the time since the last test exceeds 31 days.
- c. At least once per 92 days by verifying that a sample of diesel fuel from the fuel storage tank is within the acceptable limits specified in Table 1 of ASTM D975-78 when checked for viscosity, water and sediment.

d. At least once per 18 months during shutdown by:

1. Inspecting the diesel in accordance with the manufacturer's recommendations for this class of standby service,
2. Verifying the generator capability to reject a load of 295 KW without tripping,
3. Simulating a loss of offsite power in conjunction with a safety injection test signal and:

(a) Verifying de-energization of the emergency buses and load shedding from the emergency buses.

(b) Verifying the diesel starts from normal standby condition on the auto-start signal, energizes the emergency buses with permanently connected loads, energizes the automatically connected emergency loads with the following maximum breaker closure times after the initial starting signal for trains A and B not being exceeded

	A	B
Diesel plus Safety Injection Pump	20 sec	22 sec
plus RHR Pump		
All breakers	40 sec	42 sec

and operates for  $\geq$  five minutes while its generator is loaded with emergency loads.

(c) Verifying that all diesel generator trips, except engine overspeed, low lube oil pressure, and overcrank, are automatically bypassed upon loss of voltage on the emergency bus and/or safety injection actuation signal.

4.6.2 Station Batteries

- a. Every month the voltage of each cell (to the nearest 0.01 volt), the specific gravity and temperature of a pilot cell in each battery shall be measured and recorded.
- b. Every 3 months the specific gravity of each cell, the temperature reading of every fifth cell, the height of electrolyte, and the amount of water added shall be measured and recorded.



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