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May 8, 1978

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Mr. Edson G. Case
Acting Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D. C. 20555

Re: Rochester Gas and Electric Corporation
R. E. Ginna Nuclear Power Plant, Unit No. 1
Docket No. 50-244

Dear Mr. Case:

As counsel for Rochester Gas and Electric Corporation, I enclose the following:

(1) Three (3) originals and nineteen (19) copies of an Application for Amendment to Operating License; and

(2) Forty (40) copies each of three (3) documents designated Attachments A, B, and C which set forth the requested change in the Technical Specifications, its technical basis, and technical information asserting this change is of no safety or environmental significance.

The proposed amendment to the Provisional Operating License has been evaluated and determined to fall within the definition of Class II of 10 C.F.R. Section 170.22; therefore, a check for the required fee in the amount of $1,200.00 is also enclosed.

Very truly yours,

LeBOEUF, LAMB, LEIBY & MacRAE

By Lex K. Larson

781290031

A001 S 3140 REPRO LTR

Enclosures

BEFORE THE UNITED STATES

NUCLEAR REGULATORY COMMISSION

In the Matter of	)	
	)	
ROCHESTER GAS AND ELECTRIC CORPORATION	)	Docket No. 50-244
(R.E. Ginna Nuclear Power Station, Unit No. 1)	)	

CERTIFICATE OF SERVICE

I hereby certify that I have served a document entitled "Application for Amendment to Operating License," along with Attachments, by mailing copies thereof first class, postage prepaid to each of the following persons this 8th day of May, 1978:

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Lex K. Larson

LeBoeuf, Lamb, Leiby & MacRae
Attorneys for Rochester Gas
and Electric Corporation

UNITED STATES OF AMERICA

NUCLEAR REGULATORY COMMISSION

In the Matter of	)	
	)	
Rochester Gas and Electric Corporation	)	Docket No. 50-244
(R.E. Ginna Nuclear Power Plant,	)	
Unit No. 1)		

APPLICATION FOR AMENDMENT TO OPERATING LICENSE

Pursuant to Section 50.90 of the regulations of the U.S. Nuclear Regulatory Commission (the "Commission"), Rochester Gas and Electric Corporation ("RG&E"), holder of Provisional Operating License No. DPR-18, hereby requests that the Technical Specification 4.1 set forth in Appendix A to that license be amended to modify the requirements for testing the nuclear power range detector low power setpoint.

The proposed technical specification change is set forth in Attachment A to this Application. A safety evaluation is set forth in Attachment B. This evaluation also demonstrates that the proposed change does not involve a significant change in the types or a significant increase in the amounts of effluents or any change in the authorized power level of the facility. Justification for classification of the amendment pursuant to 10 C.F.R. Section 170.22 is included as Attachment C. A check for the appropriate fee accompanies this Application.

WHEREFORE, Applicant respectfully requests that Appendix A to Provisional Operating License No. DPR-18 be amended in the form attached hereto as Attachment A.

Rochester Gas and Electric Corporation

By L.D. White, Jr.

L.D. White, Jr.
Vice President,
Electric and Steam Production

Subscribed and sworn to before me
on this 5th day of May 1978

Stephen Kowba

STEPHEN KOWBA
NOTARY PUBLIC, State of N.Y., Monroe County
My Commission Expires March 30, 1980

Attachment A

Replace Technical Specification page 4.1-5 with revised page 4.1-5.

TABLE 4.1-1

MINIMUM FREQUENCIES FOR CHECKS, CALIBRATIONS AND

TEST OF INSTRUMENT CHANNELS

Channel Description	Check	Calibrate	Test	Remarks
1. Nuclear Power Range	S M*(3)	D(1) Q*(3)	B/W(2)(4) P(2)(5)	1) Heat balance calculation** 2) Signal to ΔT; bistable action (permissive, rod stop, trips) 3) Upper & lower chambers for axial offset** 4) High setpoint (≤ 109% of rated power) 5) Low setpoint (≤ 25% of rated power)
2. Nuclear Intermediate Range	S(1)	N.A.	P(2)	1) Once/shift when in service 2) Log level; bistable action (permissive, rod stop, trip)
3. Nuclear Source Range	S(1)	N.A.	P(2)	1) Once/shift when in service 2) Bistable action (alarm, trip)
4. Reactor Coolant Temperature	S	R	M(1)	1) Overtemperature-Delta T 2) Overpower - Delta T
5. Reactor Coolant Flow	S	R	M	
6. Pressurizer Water Level	S	R	M	
7. Pressurizer Pressure	S	R	M	
8. 4 Kv Voltage & Frequency	N.A.	R.	M	Reactor Protection circuits only
9. Analog Rod Position	S(1,2)	R	M	1) With step counters 2) Each six inches of rod motion when data logger is out of service

* by means of the movable in-core detector system.

** Not required during hot, cold, or refueling shutdown but as soon as possible after return to power

PROPOSED

Attachment B

Technical Specifications Table 4.1-1 presently requires that the power range detectors be tested bi-weekly. These flux detectors have both high and low power setpoints (109% and 25% of rated power, respectively). The low power setpoint is used as a backup (to the intermediate range detectors) reactor protection means during startup. While at power, the Ginna safety analysis takes credit only for the high setpoint trip. Thus, while the reactor is at power, the low power setpoint is not required to perform a safety function.

The proposal to test the low power setpoint prior to startup, rather than bi-weekly, is consistent with the test schedule for the intermediate range detectors, which perform the same function. This testing will provide sufficient assurance of the accuracy of the setpoint at the time it might be needed to perform its safety function.

Attachment C

The proposed Amendment to the Provisional Operating License has been evaluated and determined to fall within the definition of Class II of 10 C.F.R. Section 170.22 thereby requiring a fee of $1,200. The proposed amendment is a clarification of the Technical Specification requirement for testing of the power range detectors. The present Technical Specification could be interpreted to mean that the low power setpoint, which provides a trip at 25% power, must be tested during normal power operation. However, since this trip must be defeated during normal power operation in order to permit operation above 25% power, it is clear that such testing is superfluous. In addition, as described in Attachment B, since the low power trip will continue to be tested prior to startup so that it would perform its intended safety function if required, it is clear that this change has no safety or environmental significance.