

DEC 19 1974

Docket No. 50-244

Rochester Gas & Electric Corporation
ATTN: Mr. Edward J. Nelson
President
89 East Avenue
Rochester, New York 14604

Gentlemen:

Your letter dated September 26, 1974, requested elimination of the Cycle 4 limit of 2.62×10^5 MWD. Your request was based upon the Westinghouse Electric Corporation report WCAP-8381, "Revised Clad Flattening Model".

We have reviewed the results of fuel inspections for similar fuels (in other reactors) and we have performed independent calculations to predict time for cladding creep collapse using the computer code BUCKLE. BUCKLE predicts cladding collapse at 17,000 EFPH (10.8×10^5 MWD) for Region 4 and 4B in Ginna, which is identical to the exposure these regions will have received at the design burnup of Cycle 4. An additional margin between actual EFPH and the BUCKLE prediction is not required because of the conservatism incorporated in the BUCKLE code.

On the basis of the foregoing, we have determined that elimination of the Cycle 4 limit as requested by your letter of September 26, 1974, will involve no significant hazards consideration. Therefore, the restriction on Cycle 4 of 2.62×10^5 MWD given in our letter dated April 4, 1974, is hereby removed.

Sincerely,

Original Signed by
Karl Goller

Karl R. Goller, Assistant Director
for Operating Reactors
Directorate of Licensing

cc: Arvin E. Upton, Esquire
LeBoeuf, Lamb, Leiby & MacRae
1757 N Street, NW.
Washington, D.C. 20036

Mr. Michael Slade

1250 Crown Point Drive
Webster, New York 14580

OFFICE ➤	1250 Crown Point Drive						Cost 3 1/2
SURNAME ➤	Webster, New York 14580						
DATE ➤							

DEC 19 1974

Rochester Gas & Electric
Corporation

- 2 -

cc: J. Bruce MacDonald, Deputy
Commissioner and Counsel
New York State Department of
Commerce
99 Washington Avenue
Albany, New York 12210

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

Dr. William Seymour
Staff Coordinator
New York State Atomic Energy Council
New York State Department of Commerce
112 State Street
Albany, New York 12207

Lyons Public Library
67 Canal Street
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Rochester Public Library
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OR-1 Reading

*Approved subject to
recommended changes*

OGC
Kap
L. POWELL
12/18/74

OFFICE ➤	L:ORB #1 <i>Jim</i>	L:ORB #2 <i>Cap</i>	L:OR <i>KRG</i>		
SURNAME ➤	TVWambach:1b	RAPurple	KRGoller		
DATE ➤	12/09/74	12/10/74	12/19/74		

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We have reviewed the results of fuel inspections for similar fuels and we have performed independent calculations to predict time for cladding creep collapse using the computer code BUCKLE. This code is conservatively biased and predicts no onset of cladding collapse for the limiting fuel (Regions 4 and 4B) during the design burnup of Cycle 4. Therefore, the restriction on Cycle 4 of 2.62×10^5 MWD given in our letter dated April 4, 1974, is hereby removed.

Sincerely,

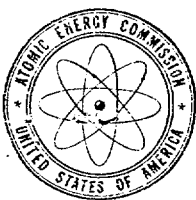
Karl R. Goller, Assistant Director
for Operating Reactors
Directorate of Licensing

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LeBoeuf, Lamb, Leiby & MacRae
1757 N Street, NW.
Washington, D.C. 20036

Mr. Michael Slade
1250 Crown Point Drive
Webster, New York 14580

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

OFFICE ➤						
SURNAME ➤						
DATE ➤						



UNITED STATES
ATOMIC ENERGY COMMISSION

WASHINGTON, D.C. 20545

Docket No. 50-244

Karl: This has to
go out today.

OGC's
comments.
They have been
incorporated.

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We have reviewed the results of fuel inspections for similar fuels ^(in other reactors) and we have performed independent calculations to predict time for cladding creep collapse using the computer code BUCKLE. ~~This code is conservatively biased and predicts no onset of cladding collapse for the limiting fuel (Regions 4 and 4B) during the design burnup of Cycle 4.~~ Therefore, the restriction on Cycle 4 of 2.62×10^5 MWD given in our letter dated April 4, 1974, is hereby removed.

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Karl R. Goller, Assistant Director
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~~Specifically, BUCKLE predicts cladding collapse at 17,000 EFPH (10.8×10^5 MWD) for Regions 4 and 4B in Annas, which is the exposure which that Region 4 and 4B will have received at the design burnup of Cycle 4.~~

On the basis of the foregoing, we have determined that elimination of the Cycle 4 limit as requested by your letter of September 26, 1974 will in value no significant hazards consideration.

Additional margin between actual EFPH and the Buckle prediction is not required because of the conservatism incorporated in the Buckle code.