

OCT 26 1973

Docket No. 50-220

Niagara Mohawk Power Corporation
ATTN: Mr. Phillip D. Raymond
Vice President - Engineering
300 Erie Boulevard West
Syracuse, New York 13202

Gentlemen:

You have provided analyses of the effect of densification during steady state operations, transients, and postulated accidents in your letter of August 14, 1973, and in the referenced GE topical report "Fuel Densification Effects on General Electric Boiling Water Reactor Fuel", NEDM-10735, Supplements 6, 7, and 8, August 1973. Your analyses indicated that the average planar linear heat generation rate of any fuel assembly must comply with the limit set forth in a curve labeled "γ" in Figures 4-9B1, 4-9B2, 4-9B3, and 4-9B4 of NEDM-10735, Supplements 6, 7, and 8 to meet the criteria set forth in our densification model.

It is our understanding that the "γ" curves of Figures 4-9B1, 4-9B2, 4-9B3, and 4-9B4 are based on detailed core heatup calculations up to 15,000 Mwd/T burnup. Beyond this burnup, the "γ" curves were extrapolated based on available information. Please extend the detailed heatup calculations to higher burnups. These calculations and the revised "γ" curves should be submitted for staff review by November 5, 1973.

Sincerely,

Original Signed by
D. J. Skovholt

Donald J. Skovholt
Assistant Director for
Operating Reactors
Directorate of Licensing

cc: See next page

10

OCT 26 1973

cc: J. Bruce MacDonald, Esquire
 Deputy Commissioner and Counsel
 New York State Department of
 Commerce and Counsel to the
 Atomic Energy Council
 99 Washington Avenue
 Albany, New York 12210

Arvin E. Upton, Esquire
 LeBoeuf, Lamb, Leiby & MacRae
 1821 Jefferson Place, N. W.
 Washington, D. C. 20036

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

Anthony Z. Roisman, Esquire
 Berlin, Roisman and Kessler
 1712 N Street, N. W.
 Washington, D. C. 20036

Oswego City Library
 120 E. Second Street
 Oswego, New York 13126

Distribution

Docket File
 AEC PDR
 Local PDR
 RP Reading
 Branch Reading
 JRBuchanan, ORNL
 VStello, L:RS
 OGC
 DJSkovholt, L:OR
 TJCarter, L:OR
 ACRS (16)
 RO (3)
 DLZiemann, L:ORB #2
 CJDeBevec, L:ORB #2

JMHendrie, L:TR
 RWR Reid, L:ORB #2
 RMDiggs, L:ORB #2

OFFICE ▶	L:ORB #2 X7403 <i>W</i>	L:ORB #2 <i>W</i>	L:ORB #2 <i>W</i>	L:RS <i>W</i>	OGC <i>W</i>	L:OR <i>W</i>
SURNAME ▶	CJDeBevec:sjh	RMDiggs	DLZiemann	VStello		DJSkovholt
DATE ▶	10/26/73	10/26/73	10/26/73	10/ /73	10/26/73	10/26/73

