

FROM: Wisconsin Public Service Corp. E.W. James Green Bay, Wis. 54305	DATE OF DOC:	DATE REC'D	LTR	MEMO	RPT	OTHER
	12-29-72	1-3-73	X			
TO: Mr. A. Giambusso	ORIG	CC	OTHER	SENT AEC PDR <input checked="" type="checkbox"/>		
	1 signed			SENT LOCAL PDR <input checked="" type="checkbox"/>		
CLASS: <u>U</u> PROP INFO	INPUT	NO CYS REC'D	DOCKET NO:			
		1	50-305			

DESCRIPTION: Ltr re our 11-20-72 ltr....
furnishing addl info to fuel densification
re Kewaunee Plant....

ENCLOSURES:

PLANT NAMES: Kewaunee Plant

ACKNOWLEDGED

DO NOT REMOVE

FOR ACTION/INFORMATION DL 1-3-73

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<input checked="" type="checkbox"/> 16-CYS ACRS XXXXXX	SENT TO LIC. ASST.	Rm C-427, GT)
	M. SERVICE ON 1-3-73	1-RD...MULLER...F-309GT
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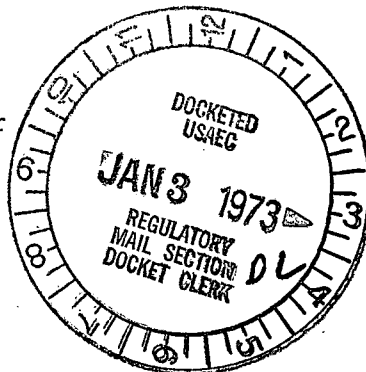
WISCONSIN PUBLIC SERVICE CORPORATION

Public Service

P.O. Box 1200, Green Bay, Wisconsin 54305

December 29, 1972

Mr. A. Giambusso, Deputy Director
for Reactor Projects
Directorate of Licensing
U.S. Atomic Energy Commission
Washington, D.C. 20545



Dear Mr. Giambusso:

Subject: Kewaunee Nuclear Power Plant
Docket No. 50-305

In response to your letter of November 20, 1972, relative to densification of light water reactor fuels and its effect on reactor operations, we would like to inform you that we have been investigating the potential effect on this phenomenon on our plant.

Westinghouse Electric Corporation has the responsibility for the design and fabrication of the initial core for our plant. They have informed us that they are continuing to investigate the cause of inpile densification and to define material characteristics and manufacturing processes which lead to stable fuel. They believe that the results of this program will provide us with information indicating that we will receive fuel materials and fabricated assemblies in which the effects of fuel densification will be reduced. As a result, the effect of fuel densification will be reduced such that performance of the core will be comparable to that described in our Safety Analysis Report.

Westinghouse has informed us that they have had detailed discussions with you, on a generic basis, of the fuel densification experience. They have developed the analytical techniques required to perform the analysis specified in your "Technical Report on Densification of Light Water Fuels" and have discussed these methods with the AEC Staff. In general, the Westinghouse methods are consistent with your requirements and we understand that remaining questions on some details are currently being resolved. These methods will be applied, as appropriate, in evaluating any residual fuel densification which exists in the reactor core for our plant.

LP

Because of the number of reactor plants which Westinghouse is committed to review, they have informed us that preparation of a comprehensive response to your November 20, 1972, letter will be submitted consistent with the Kewaunee licensing schedule. This response will include the results of the necessary analyses and other relevant data for determining the consequences of densification and the effect on normal operation, anticipated transients and accidents, including the postulated loss-of-coolant accident.

Very truly yours,

A handwritten signature in cursive script that reads "E. W. James". The signature is written in dark ink and is positioned above the typed name.

E. W. James, Senior Vice-President
Power Generation & Engineering

EWJ:sna