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CONTROL NO: 13241

FILE: _____

FROM: Wisconsin Public Service Corp Green Bay, Wisconsin E.W. James			DATE OF DOC 11-18-75	DATE REC'D 11-20-75	LTR xxxx	TWX	RPT	OTHER
TO: Mr. Robert A. Purple			ORIG 1-signed	CC	OTHER	SENT NRC PDR <u>xxx</u> SENT LOCAL PDR <u>xxx</u>		
CLASS	UNCLASS xxxx	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-305		

DESCRIPTION:

Ltr re our 10-15-75 ltr furn addl info concerning the reactor vessel support system for the Kewaunee Plant

ENCLOSURES:

ACKNOWLEDGED

DO NOT REMOVE

PLANT NAME: Kewaunee

FOR ACTION/INFORMATION 11-25-75 JGB

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REG FILE NRC PDR OGC, ROOM P-506A GOSSICK/STAFF CASE GIAMBUSSO BOYD MOORE (L) DEYOUNG (L) SKOVHOLT (L) GOLLER (L) (Ltr) P. COLLINS DENISE REG OPR FILE & REGION (2) MIPC	TECH REVIEW SCHROEDER MACCARY KNIGHT PAWLICKI SHAO STELLO HOUSTON NOVAK ROSS IPPOLITO TEDESCO J. COLLINS LAINAS BENAROYA VOLLMER	DENTON GRIMES GAMMILL KASTNER BALLARD SPANGLER ENVIRO MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR <i>Questman</i> HARLESS	LIC ASST R. DIGGS (L) H. GEARIN (L) E. GOULBOURNE (L) P. KREUTZER (E) J. LEE (L) M. RUSHBROOK (L) S. REED (E) M. SERVICE (L) S. SHEPPARD (L) M. SLATER (E) H. SMITH (L) S. TEETS (L) G. WILLIAMS (E) V. WILSON (L) R. INGRAM (L) M. DUNCAN (E)	A/T IND. BRAITMAN SALTZMAN MELTZ PLANS MCDONALD CHAPMAN DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) KLECKER EISENHUT WIGGINTON
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EXTERNAL DISTRIBUTION

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WISCONSIN PUBLIC SERVICE CORPORATION



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

November 18, 1975

Regulatory

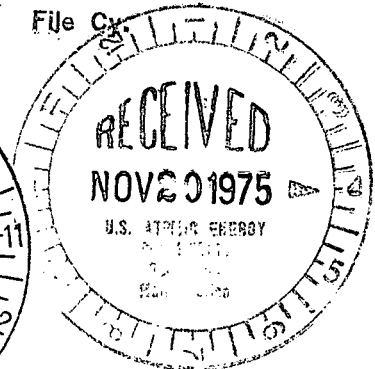
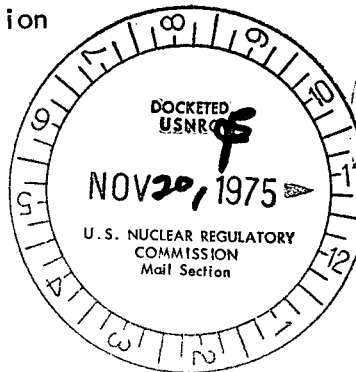
File Cx

Director of Nuclear Reactor Regulation
Operating Reactors Branch #1
Division of Reactor Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

ATTN: Mr. Robert A. Purple, Chief

Dear Sir:

REF: Docket 50-305
Operating License DPR-43
Letter to Wisconsin Public Service from
Mr. R. A. Purple dated October 15, 1975



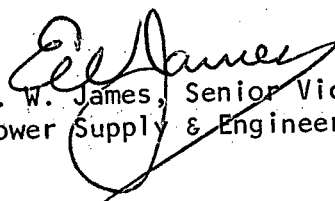
The referenced letter requested a review of the design bases for the reactor vessel support system for the Kewaunee Plant. The purpose of the review was to determine if certain transient loads were considered in the system's design.

The reactor vessel support loads were evaluated considering jet forces. This evaluation was performed employing the analysis methods available at the time of design.

The transient differential pressure in the annular region between the vessel and the shield wall was not considered in the design of the reactor vessel supports.

The analysis methods have been substantially modified in recent years as the state of the art advanced. The methods for analysis of asymmetric loads applied to a pressure vessel and its internals are a recent development and were not available at the time of the Kewaunee Plant's design. Therefore, the transient differential pressure across the core barrel within the reactor vessel was not considered in the design of the reactor vessel supports.

Very truly yours,


E. W. James, Senior Vice President
Power Supply & Engineering

EWJ:sna

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