

DOCKET NBR: 050-305
RECIPIENT: Schwencer, A. NOROSRI
ORIGINATOR: James, E.W. EUTWIPS
Wisconsin Pub. Svc. Corp.
SUBJECT:

DOC DATE: 1005
ACCESSION NBR: 7810120041
COPIES RECEIVED:
LTR 1 ENCL 5
SIZE: 2 + 199

Forwards non-proprietary & proprietary copies of "Qualification of Reactor Physics Methods for Appl to Kewaunee" w/description of neutronic calculation methodology for NRC rev. W/o encl repts.

(see reports - prop info)

Reg File #1

Mlynczak (2) #2 & #3 - **ADVANCED**
Check (2) - #4 & #5 - **ADVANCED**
H. SMITH - LTR + AFF.
NRC PDR - LTR - ADVANCED
TERA - LTR - ADVANCED
LPDR - LTR

FOR ACTION

MA 2
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WISCONSIN PUBLIC SERVICE CORPORATION



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

October 5, 1978

Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Attention Mr. A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Gentlemen:

Docket 50-305
Operating License DPR-43
"Qualification of Reactor Physics Methods
for Application to Kewaunee"

Enclosed please find twenty (20) non-proprietary copies of "Qualification of Reactor Physics Methods for Application to Kewaunee" and five (5) proprietary versions of the same document. This document presents a description of neutronic calculation methodology and an evaluation of methodology accuracy as applicable to the Kewaunee Plant and performed by Wisconsin Public Service Corporation (WPSC). This document will permit the performance of an NRC Staff evaluation of the ability of WPSC to evaluate the neutronic characteristics of reactor cores for the Kewaunee Plant. It is WPSC's intent to perform in-house core designs and safety evaluations for future cores to be loaded in the Kewaunee Plant. The review and acceptance of calculational methodology by the NRC is the first step in our intended program to have full in-house core design capability acceptable to the NRC.

It should be noted that the attached document references the EPRI "ARMP" program set for basic neutronic calculations. Detailed descriptions of the "ARMP" programs are available to the NRC Staff since the NRC has an agreement with EPRI in regard to the use of the "ARMP" programs and copies of the descriptive information on the program set is in the NRC's possession.

To expedite the resolution of potential questions in regard to the attached document, a meeting would undoubtedly be beneficial. Our tentative schedule for proceeding with this review would be consistent with scheduling the meeting for the week of October 30, 1978. We will pursue identification of a specific date with the NRC Project Management.

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NONE
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Office of Nuclear Reactor Regulation

October 5, 1978

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This submittal contains information proprietary to Nuclear Associates International Corporation (NAI). Attached is an affidavit signed by NAI, the owner of the information. Five copies of the referenced document contain this proprietary information and are identified as such. In the remaining twenty copies the proprietary information has been deleted for NRC distribution to the public document room. Accordingly, it is respectfully requested that the information which is proprietary to NAI be withheld from public disclosure in accordance with 10 CFR 2.790 of the Commission's Regulations. Correspondence with respect to the proprietary aspects of the supporting affidavit should be addressed to J. R. Fisher, Technical Director, Nuclear Associates International Corporation, 6003 Executive Boulevard, Rockville, MD 20852.

Very truly yours,



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

snf

Enc.

cc - Mr. J. R. Fisher
Technical Director, NAI



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

MEMORANDUM FOR: TERA Corp.
FROM: US NRC/TIDC/Distribution Services Branch
SUBJECT: Special Document Handling Requirements

1. Please use the following special distribution list for the attached document.

REG File #1
MLYNZAK (2) #2 + 3
CHECK (3) - # 4 + 5
NRC PDR - LTR
TERA - LTR
LPDR - LTR
H. SMITH - LTR + AFF.

2. The attached document requires the following special considerations:

- Do not send oversize enclosure to the NRC PDR.
 Only one oversize enclosure was received - please return for Regulatory File storage.
 Proprietary information - send affidavit only to the NRC PDR

Other: (specify)

10-10-78

Dist PER MLYNCZAK

DOCKET NO. 50-305

DATE: 10-13-78

NOTE TO NRC AND/OR LOCAL PUBLIC DOCUMENT ROOMS

The following item submitted with letter dated 10-5-78
from Wis. Pub. Ser. Co. is being withheld from
public disclosure, pending review, in accordance with Section 2.790.

PROPRIETARY INFORMATION

QUAL. OF REACTOR PHYSICS METHODS
FOR APPL TO KEWAUNEE

Dore Paulson
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Regulatory File Room