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Docket No. 50-305

J. M. Hendrie, Deputy Director for Technical Review, L

TECHNICAL ASSISTANCE REQUEST

Applicant:	Wisconsin Public Service Corporation
Facility:	Kewaunee Nuclear Power Plant
Licensing Stage:	OL
Docket No.:	50-305
Responsible Branch:	LWR 2-2
Project Manager:	L. P. Crocker (7407)
Technical Review Branch Involved:	Accident Analysis Branch
Requested Completion Date:	January 30, 1974

The evaluation of the accident dose in Section 15.0 of the SER, provided by the Accident Analyis Branch, was based upon predicted performance of the shield building ventilation system. Tests of this system have shown a higher in-leakage rate than that originally predicted (50% per day @ -0.25 inch w.c. as compared to 10% per day @ -0.25 inch w.c. predicted). This results in a larger long-term exhaust flow from the shield building in order to maintain the building at a negative pressure (1200 cfm as compared to 200 cfm predicted).

The applicant's analysis of the affect of these changed conditions on the accident dose calculations indicate that the calculated doses still would be well within the 10 CFR Part 100 criteria.

It is requested that the Accident Analyais Branch reevaluate the consequences of a loss-of-coolant accident using the revised shield building leakage and exhaust rates to verify that the ventilation system can be operated as constructed without exceeding the 10 CFR Part 100 criteria.

Original signed by
Karl Kniel
for Voss A. Moore, Assistant Director
for Light Water Reactors Group 2
Directorate of Licensing

Enclosure:
Ltr. from Pioneer Service
& Engineering to Carl Giesler, WPS

OFFICE	LWR 2-2	LWR 2-2	AD/LWR 2			Memo
SURNAME	LCrocker;bjn	KKniel KK	for VAMoore			
DATE	12/19/73	12/19/73	12/19/73			

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Docket

UNITED STATES
ATOMIC ENERGY COMMISSION
WASHINGTON, D.C. 20545

December 19, 1973

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Karl Goller

for Voss A. Moore, Assistant Director
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