

**NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)**

CONTROL NO: 9765
FILE: ENVIRO

FROM:	Wisconsin Public Service Green Bay, Wis E W James	DATE OF DOC	9-10-75	DATE REC'D	9-15-75	LTR	TWX	RPT	OTHER
TO:	Mr Rusche	ORIG	3 signed	CC	OTHER	SENT NRC PDR		XX	
						SENT LOCAL PDR		XX	
CLASS	UNCLASS XXXXX	PROP INFO	INPUT	NO CYS REC'D	3	DOCKET NO: 50-305			

DESCRIPTION:
Ltr notarized 9-10-75...trans the follow:

DO NOT REMOVE

ACKNOWLEDGED

PLANT NAME: Kewaunee

ENCLOSURES:
Amdt to OL/Change to Tech Specs (Appendix B):
consisting of revisions to Appendix B with
regard to addl monitoring requirements relative
to condenser hotwell and other discharges.....

(40 cys encl rec'd)

FOR ACTION/INFORMATION

BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/ Copies	REID(L) W/ COPIES
CLARK (L) W/ Copies	STOLZ (L) W/ Copies	DICKER (E) W/ Copies	LEAR (L) W/ Copies	
PARR (L) W/ Copies	VASSALLO (L) W/ Copies	KNIGHTON (E) W/ Copies	SPIES W/ Copies	
KNIEL (L) W/ Copies	PURPLE (L) W/ Copies	YOUNGBLOOD (E) W/ Copies	LPM W/ Copies	

INTERNAL DISTRIBUTION

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

EXTERNAL DISTRIBUTION

- 1 - LOCAL PDR Kewaunee, WI
- 1 - TIC (ABERNATHY) HH(2)(3) - NATIONAL LABS ANL
- 1 - NSIC (BUCHANAN)
- 1 - ASLB
- 1 - Newton Anderson
- 1 - W. PENNINGTON, Rm E-201 GT
- 1 - CONSULTANTS
- 1 - ACRS HOLDING/SENT to L.A. Slater
- NEWMARK/BLUME/AGBABIAN
- 1 - PDR-SAN/LA/NY
- 1 - BROOKHAVEN NAT LAB
- 1 - G. ULRIKSON ORNL

LLG

WISCONSIN PUBLIC SERVICE CORPORATION



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

September 10, 1975

Mr. Benard Rusche, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Dear Mr. Rusche:

Subject: Amendment No. 12 to Operating License DPR-43
Kewaunee Nuclear Power Plant
Docket 50-305

Reference: a) Letter dated June 27, 1975, Mr. G. W. Knighton to
Mr. E. W. James with attachments
b) Letter dated July 11, 1975, Mr. E. W. James to
Mr. G. W. Knighton

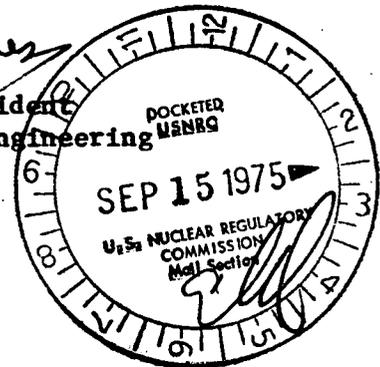


We submit herewith, thirty-seven (37) copies of Amendment No. 12 to the Technical Specifications, Appendix B, Operating License DPR-43.

This submittal consists of changes to the Environmental Technical Specifications, Appendix B as discussed in the attachments to Reference (a) with reference to the additional monitoring requirements relative to condenser hotwell and other discharges. Attachment A discusses our reasons for change and our evaluation of the Environmental Impact as a result of the changes.

Very truly yours,

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



EWJ:jm

Subscribed and Sworn to
Before Me This 10th Day
of September 1975

Charles Rusche
Notary Public, State of Wisconsin

My Commission Expires

October 6, 1976

9765

2.0 ENVIRONMENTAL PROTECTION CONDITION

2.2.2 Suspended and Dissolved Solids

Objective: To limit the total amount of solids discharged to the lake.

Specification: The pH of the solution released from the neutralizing tank shall be within the range of 6 to 9 before dilution in the circulating water system.

For normal power operation, the average incremental increase in the concentration of total solids in the circulating water resulting from the neutralizing tank discharge shall not exceed 2.0 mg/l when calculated during periods of each discharge.

The total annual release from the neutralizing tank shall not exceed 325 tons of total solids.

Bases: The demineralizer system consists of twin cation, anion, and mixed bed units used to ensure that the product water is high quality water capable of meeting stringent Nuclear Steam Supply System Specifications.

During normal power operation, it is expected that approximately 22,000 gallons of neutralized waste will be discharged from the primary cation and anion regeneration process once every day while 3600 gallons of neutralized waste from the mixed bed regenerations will be discharged three

3.0 MONITORING REQUIREMENTS

3.2.2 Suspended and Dissolved Solids

Objective: To monitor the total amount of solids discharged to the lake.

Specification: Neutralizing Tank

The pH of the solution in the neutralizing tank shall be determined by a representative sample and the resulting pH recorded in the discharge log book.

Prior to release of waste from the neutralizing tank, a representative sample shall be analyzed for suspended, dissolved and total solids. The total amount in gallons released and the time required for discharge shall be recorded.

Miscellaneous Discharge

The pH and total suspended solids shall be determined for condenser hotwell prior to discharge to the circulating water system. The determination shall be made from a representative grab sample.

The discharges from the turbine building sump, water softening unit and the water pre-treatment system lagoon shall be characterized by periodic grab samples. These periodic grab samples shall be analyzed for pH and total suspended solids.

2.0 ENVIRONMENTAL PROTECTION CONDITION

Bases: times a month. It is possible that on any given day, the chemical discharges from the neutralizing tank may contain wastes from both the primary cation and anion units and mixed bed units.

3.0 MONITORING REQUIREMENTS

Specification: Miscellaneous Discharge

A record of the pH and suspended solids analyses shall be maintained.

Bases: Analysis of a representative sample from the waste neutralizing tank, before dilution with the circulating water system, by Standard Methods or its equivalent will ensure that each batch discharged from the neutralizing tank is documented. Laboratory measurement of the pH of the water solution will ensure that the wastes are neutralized before release.

Analysis of a representative sample of the miscellaneous discharges, before dilution with the circulating water system, by Standard Methods or its equivalent, will ensure that each discharge path is characterized.

14

Change No. 14
Amendment No. 12
September 10, 1975

ATTACHMENT A

Reason For Change

As directed by letter, Nuclear Regulatory Commission to Wisconsin Public Service Corporation, dated June 27, 1975, the Environmental Technical Specifications, Appendix B have been revised to include monitoring and recording of miscellaneous discharges. Namely, condenser hotwell, turbine building sump, water softening unit and water pre-treatment system lagoon.

Environmental Impact

The new requirement provides for monitoring and recording the suspended solids, and pH of various miscellaneous discharges. The new requirement will provide for analyses and documenting of the discharges. Since these discharges have been made in the past as dictated by plant conditions, no deleterious effect on the plant and animal life in the sampling area of Lake Michigan surrounding the Kewaunee Plant has been indicated from past studies, and no additional effect is expected. In the event any effect is detected by the future studies, plant data will be available through the new requirement of recording and monitoring these discharges.