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CONTROL NO: 10304

FILE:

FROM: Wisconsin Public Service Green Bay, Wisc. 54305 E. W. James	DATE OF DOC	DATE REC'D	LTR	TWX	RPT	OTHER
	10-1-74	10-4-74	XX			
TO: J. F. O'Leary	ORIG: 1 signed	CC:	OTHER:	SENT AEC PDR: XX		
				SENT LOCAL PDR: XX		

CLASS	UNCLASS	PROP INFO	INPUT	NO CYS REC'D	DOCKET NO:
	XX			1	50-305

DESCRIPTION:

Ltr reporting Abnormal Occurrence 50-305/74-16 on 9-20-74 re failure to have automatic isolation devices capable of limiting gaseous release rate in operations

ENCLOSURES:

Do Not Remove
ACKNOWLEDGED

PLANT NAME: Kewaunee

FOR ACTION/INFORMATION LMB 10-12-74

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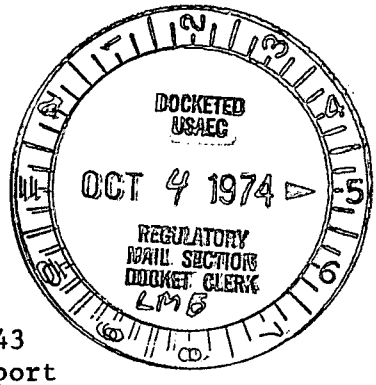
Regulatory File Cy.

WISCONSIN PUBLIC SERVICE CORPORATION

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

October 1, 1974



Mr. J. F. O'Leary, Director
Directorate of Licensing
Office of Regulation
U.S. Atomic Energy Commission
Washington, D.C. 20545

Dear Mr. O'Leary:

Subject: Docket 50-305
Operating License DPR-43
Abnormal Occurrence Report

In accordance with the requirements of Technical Specifications 3.9b.4b and 6.6.2.a, we submit the following:

Report Number: 50-305/74-16

Report Date: October 1, 1974

Occurrence Date: September 20, 1974

Facility: Kewaunee Nuclear Power Plant
Kewaunee, Wisconsin

Identification of Occurrence: Failure to have automatic isolation devices capable of limiting gaseous release rates in operations.

Condition Prior to Occurrence: Reactor Shutdown
Normal Operating Temperature 549°F
Normal System Pressure 2235 psig

Description of Occurrence: Radiation Monitors R-11 and R-12, Containment Vessel or Containment System Vent - Air Particulate Monitor and Containment Vessel or Containment System Vent - Radioactivity Gas Monitor, respectively, are used to monitor containment atmosphere or purge exhaust. The containment was being purged to reduce the activity to allow entry. The purge was terminated to allow a containment sample to be drawn. The three position switch, "Containment Sample, Vent Sample, Purge" was

10304

placed in "Containment Sample", an air sample was drawn and analyzed. Instructions were given by the Health Physics Supervisor to restart the purge. The operator, upon restarting the purge, turned the selector switch to "Purge". When the switch is in the "Purge" position, Monitors R-11 and R-12 are not sampling the containment ventilation exhaust, although R-21 is sampling the exhaust. With R-11 and R-12 not sampling the containment ventilation exhaust, it invalidates the capability of the isolation devices on R-11 and R-12 to automatically stop the containment ventilation exhaust.

Description of Apparent Cause of Occurrence:

Operator error.

Analysis of Occurrence:

Upon discovery that Monitors R-11 and R-12 were not monitoring the containment vent, the filters were removed from Monitor R-21 Containment System Vent - Activity Monitor, and taken to the lab for analysis. The analysis was for halogens and particulates. The results of this analysis was as follows:

Flow - approximately 20 cfm

Volume - 1.71×10^{9} cc

Air Filter Activity

Gross Beta-Gamma	1.41×10^{-12} µc/cc
Gross Alpha	2.89×10^{-13} µc/cc
Gamma Emitters	
Isotope	Rn^{222}
Activity	2.40×10^{-11} µc/cc

Charcoal Filter Activity

$I_{131} = 1.99 \times 10^{-10}$ µc/cc
$I_{133} = 1.52 \times 10^{-11}$ µc/cc
$XE_{133} = 1.92 \times 10^{-9}$ µc/cc
$XE_{135} = 6.62 \times 10^{-11}$ µc/cc
$XE_{133M} = 1.84 \times 10^{-4}$ µc/cc

The results did not exceed the limits allowed by the Technical Specifications, therefore, there was no immediate risk to the health and safety of the public.

Corrective Action: The Operations Supervisor questioned the operator, as to whether he (1) understood the discharge permit instructions and (2) understood that the "Purge" position on the switch meant that this purged the detector with clean air. In both cases, he said he understood the instructions. The Operations Supervisor stressed again the importance of knowing changes in plant conditions. No further corrective action is anticipated at this time.

Failure Data: Not applicable.

Sincerely,

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

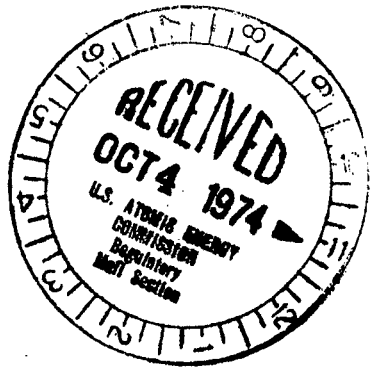
EWJ:jm

cc: Mr. James G. Keppler, Region III
Mr. Dwane Boyd, Resident Inspector

TELEGRAM

Sent 9-21-74 - 1135

September 21, 1974



Mr. Dwane Boyd
Resident Inspector - U. S. Atomic Energy Commission
Directorate of Regulatory Operations-Region III
Two Rivers Municipal Hospital
Two Rivers, Wisconsin

Subject: Docket 50-305
Operating License DPR-43
Abnormal Occurance Report

In accordance with the requirements of Technical Specifications, Paragraph 6.6.2.a and ~~1.0.d.(b)~~ 3.7B.1.b, we submit the following.

Report Number: 50-305/74-16

Occurrence Date: September 20, 1974

Facility: Kewaunee Nuclear Power Plant
Kewaunee, Wisconsin

Identification of Occurrence: Failure to have automatic isolation devices capable of limiting gaseous release rates in operation.

Conditions prior to Occurrence:

Reactor Shutdown	
Normal Operating Temperature	549°F
System Operating Pressure	2235 psig

Description of Occurrence:

At 0950 Containment purge was stopped and Radiation Monitors RM-11 and RM-12 were switched from the vent position to contain position. This was done to permit the Health Physics Department to draw an air sample.

At 1020 Containment purge was restarted and the Operator selected the purge position on RM-11 and RM-12 instead of vent position. This then prevented a sample to be drawn through RM-11 and RM-12 while the Containment was being purged.

The above continued until 1515 when the selector switch on RM-11 and RM-12 was put in the vent position. During the period from 1020 until 1550 samples were taken in Containment and on Radiation Monitor RM-21 and analyzed. Samples

demonstrated that there was no release to atmosphere that exceeded Technical Specifications limitations.

This occurrence was discussed with Jack Hind of the Region III Staff on 9-21-74.

A. K. Lumia