

NRC FORM 195 (2-76)		U.S. NUCLEAR REGULATORY COMMISSION		DOCKET NUMBER 50-305	
NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL					
TO:		FROM:		FILE NUMBER INCIDENT REPORT	
Mr. J. G. Keppler		Wisconsin Public Service Corp. Green Bay, Wisconsin E. W. James		DATE OF DOCUMENT 4/9/76	
☒ LETTER ☒ ORIGINAL ☐ COPY		☐ NOTORIZED ☒ UNCLASSIFIED		DATE RECEIVED 4/28/76	
PROP		INPUT FORM		NUMBER OF COPIES RECEIVED one signed	

DESCRIPTION Ltr. trans the following:		ENCLOSURE Licensee Event Rpt. (RO 50-305/1976-7) on 3/10/76 concerning Penetration Leak Test Measurements performed during refueling which exceeded the action level for repair and retest of O. ILA for leakage to the Special Ventilation Zone.	
PLANT NAME: Kewaunee		ACKNOWLEDGED DO NOT REMOVE NOTE: IF PERSONNEL EXPOSURE IS INVOLVED SEND DIRECTLY TO KREGER/J. COLLINS	

SAFETY		FOR ACTION/INFORMATION		ENVIRO 5/3/76 R.JL	
☒ BRANCH CHIEF:		<i>PURPLE</i>			
W/3 CYS FOR ACTION					
☒ LIC. ASST:		<i>SHEPPARD</i>			
W/ CYS					
ACRS CYS HOLDING/SENT TO LA					

INTERNAL DISTRIBUTION					
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NRC PDR					
I & E (2)					
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KREGER/J. COLLINS					

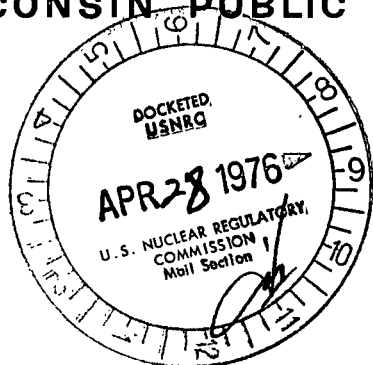
EXTERNAL DISTRIBUTION				CONTROL NUMBER	
☒ LPDR: <i>Kewaunee, WI.</i>				9 4220	
TIC					
NSIC					

WISCONSIN PUBLIC SERVICE CORPORATION

D. Johnson
Public Service

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

April 9, 1976



Regulatory Docket File

Mr. J. G. Keppler, Regional Director
Office of Inspection & Enforcement
Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Dear Mr. Keppler:

Subject: Docket 50-305
Operating License DPR-43
Reportable Occurrence 76-7



The Kewaunee Plant design includes a dual containment concept. This dual containment consists of the primary containment vessel constructed of steel and the secondary containment including the shield building and the special ventilation zone within the auxiliary building. The Technical Specification 4.4 requires local leak rate test performed on the primary containment penetration and sets action levels for repair activities if certain criteria were exceeded. Provided the criteria is exceeded, penetration repair and retest is the required course of action.

The Kewaunee Plant containment vessel is very leak tight with an $L_a = 1140$ scfh or less than .016%/hr. If a leakage of 0.1 L_a is exceeded for leakage to the special ventilation zone, the penetration which caused the excessive leakage must be repaired and retested.

During the local leak rate tests performed at our recent refueling outage, penetrations found leaking on the order of 0.1 L_a were repaired and retested. No single penetration was discovered to be leaking to the extent that the specification action level was reached.

Upon completion of the local leak rate testing the measured leakages of all penetrations prior to any repair was computed. This totalization for the penetration to the special ventilation zone exceeded 0.1 L_a . The measured leakage to the special ventilation zone was 0.110 L_a prior to any repair activity. Since no single penetration contributed overwhelmingly to this leakage, no single component should be singled out as the cause for

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exceeding the 0.1 L_a action level. With approximately fifty major penetrations to the Special Ventilation Zone, the allowable leak rate of 114 scfh is an extremely demanding requirement.

A report of the local leak test measurements will be provided in accordance with 10 CFR 50, Appendix J.

Please find attached a Licensee Event Report in regards to this matter.

Very truly yours,



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

EWJ:sna

Attach.

cc - Director, Office of Inspection & Enforcement
US NRC, Washington, D. C. 20555

Director, Office of Management Information
& Program Control
US NRC, Washington, D. C. 20555

Mr. Dwane Boyd, Resident Inspector - US NRC

LICENSEE EVENT REPORT

CONTROL BLOCK:

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(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME					LICENSE NUMBER					LICENSE TYPE					EVENT TYPE							
01	W	I	K	N P 1	0	0	-	0	0	0	0	0	-	0	0	4	1	1	1	1	0	3
7	8	9		14	15										25	26				30	31	32

CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER					EVENT DATE					REPORT DATE										
01	CON'T	M I	L	L	0	5	0	-	0	3	0	5	0	3	1	0	7	6	0	4	0	9	7	6
7	8	57	58	59	60							68	69					74	75					80

EVENT DESCRIPTION

02 The sum of all penetration leak test measurements performed during the first refueling
7 8 9 80
03 exceeded the action level for repair and retest of 0.11La for leakage to the Special
7 8 9 80
04 Ventilation Zone. The measured leakage prior to any repair to the approx. 50
7 8 9 80
05 penetration was 0.11La or 125scfh. This is event 76-7.
7 8 9 80
06
7 8 9 80
PRIME
80

SYSTEM CODE		CAUSE CODE		COMPONENT CODE						COMPONENT SUPPLIER		COMPONENT MANUFACTURER				VIOLATION	
0	7	S	A	F	V	A	L	V	E	X	Z	Z	9	9	9	N	
7	8	9	10	11	12					17	43	44			47	48	

CAUSE DESCRIPTION

09	Normal wear of operating equipment (valves) resulted in the need to repair and reduce	80
09	the leakage.	80
10		80
10		80

FACILITY STATUS		% POWER			OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
11	H	0	0	0	NA	b		Local Leak Rate Surveillance Test		
7	8	9	10	11	12	13	44	45	46	80
FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE				
12	Z	Z	NA	NA		NA				
7	8	9	10	11	44	45			80	

PERSONNEL EXPOSURES

NUMBER				TYPE	DESCRIPTION
13	0	0	0	Z	NA

PERSONNEL INJURIES

NUMBER				DESCRIPTION
14	0	0	0	NA

OFFSITE CONSEQUENCES

15 | No danger to health and safety of the public.

LOSS OR DAMAGE TO FACILITY

TYPE			DESCRIPTION
1	6	Z	NA

PUBLICITY

1	7	NA
7	8	9

ADDITIONAL FACTORS

Report will follow in accordance with 10CFR50 Appendix J requirements.

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7 8 9

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NAME: M. E. Stern

PHONE: 414-432-3311