

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 609

FILE: INCIDENT REPORT

FROM: Wis. Pub. Service Corp. Green Bay, Wis. 54305 E. W. James			DATE OF DOC 1-16-75	DATE REC'D 1-20-75	LTR XXX	TWX	RPT	OTHER
TO: Mr. E. Case			ORIG 1 signed	CC	OTHER	SENT AEC PDR XX SENT LOCAL PDR XX		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-305		

DESCRIPTION: Ltr reporting Abnormal Occurrence
AO-50-305/75-1 on 1-4-75 re failure of auxiliary
feedwater pump 1B to operate & trans the following:

ENCLOSURES:

Licensee Event 75-1....

(1 cy encl rec'd)

PLANT NAME: Kewaunee

ACKNOWLEDGED
Do Not Remove

FOR ACTION/INFORMATION

DHL 1-22-75

BUTLER (S)	SCHWENCER (S)	ZIEMANN (S)	REGAN (E)
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INTERNAL DISTRIBUTION

<u>REG FILE</u>	<u>TECH REVIEW</u>	<u>DENTON</u>	<u>LIC. ASST.</u>	<u>A/T IND</u>
✓ AEC PDR	✓ SCHROEDER	GRIMES	DIGGS (S)	BRAITMAN
✓ CGC, ROOM P-506-A	✓ MACCARRY	GAMMILL	GEARIN (S)	SALTZMAN
✓ MUNTZING/STAFF	✓ KNIGHT	✓ KASTNER	GOULBOURNE (S)	B. HURT
✓ CASE	✓ PAWLICKI	BALLARD	KREUTZER (E)	
GIAMBUSSO	✓ CHAO	SPANGLER	LEE (S)	<u>PLANS</u>
BOYD	✓ STELLO		MAIGRET (S)	MCDONALD
MOORE (S) (BWR)	✓ HOUSTON	<u>ENVIRO</u>	REED (E)	CHAPMAN
DEYOUNG (S) (PWR)	✓ NOVAK	MULLER	SERVICE (S)	DUBE w/input
SKOVHOLT (S)	✓ ROSS	DICKER	✓ SHEPPARD (S)	E. COUPE
GOLLER (S)	✓ IPPOLITO	KNIGHTON	SLATER (E)	✓ R. Hartfield (2)
P. COLLINS	✓ TEDESCO	YOUNGBLOOD	SMITH (S)	✓ KLECKER
DENISE	✓ LONG	REGAN	TEETS (S)	✓ F. WILLIAMS
REG OPR	✓ LAINAS	PROJECT LDR	WILLIAMS (E)	
✓ FILE & REGION	✓ BENAROYA		WILSON (S)	
✓ T.R. WILSON	✓ STEELE	✓ HARLESS	INGRAM (S)	
	✓ VOLIMER			

EXTERNAL DISTRIBUTION

1-LOCAL PDR Kewaunee, Wis.	(1) (2) (10) -NATIONAL LABS	1-PDR SAN/LA/NY
1-TIC (ABERNATHY)	1-W. PENNINGTON, RM E-201 G.T.	1-BROOKHAVEN NAT LAB
1-NSIC (BUCHANAN)	1-CONSULTANTS	1-G. ULRIKSON, ORNL
1-ASLB	NEWMARK/BLUME/AGBABIAN	1-AGNED (RUTH GUSSMAN)
1-NEWTON ANDERSON		RM B-127 G.T.
✓ 5-ACRS SENT TO LIC. ASST.		1-J. RUNKLES, RM E-201
Sheppard 1-22-75		G.T.

WISCONSIN PUBLIC SERVICE CORPORATION

Public Service

Regulatory Docket File

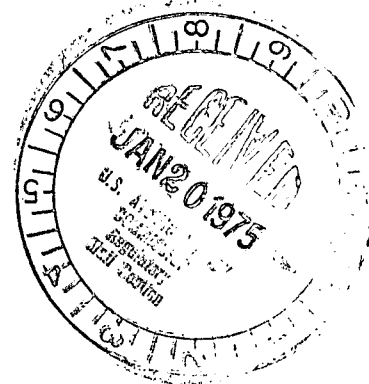
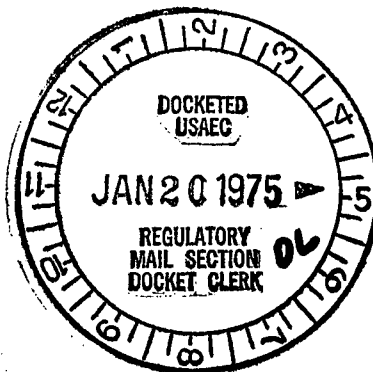
P.O. Box 1200, Green Bay, Wisconsin 54305

January 16, 1975

Mr. Edson Case, Acting Director
Directorate of Licensing
Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545

Dear Mr. Case:

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



In accordance with the requirements of Technical Specifications Paragraph 6.6.2.a and 1.0.a.1.d we submit the following:

Report Number: 50-305/75-1

Report Date: January 16, 1975

Occurrence Date: January 4, 1975

Facility: Kewaunee Nuclear Power Plant
Kewaunee, Wisconsin

Identification of Occurrence: Failure of auxiliary feedwater pump 1B to operate.

Conditions Prior to Occurrence: Reactor Critical - 75%
Reactor Coolant Average Temperature - 550°F
Reactor Coolant System Pressure - 2220 psig
Load reduction in progress to 220 Mwe

Description of Occurrence: During the load reduction the feedwater control valve to steam generator 1A stuck in the partially open position resulting in excessive feedrate to the 1A steam generator causing a Hi-Hi steam generator water level reactor trip. Upon generation of the reactor trip signal both motor driven auxiliary feedwater pumps are required to start. Auxiliary feedwater pump 1B operated correctly. The breaker for auxiliary feedwater pump 1A closed and then within milli sec. reopened. Then the operator restarted auxiliary feedwater pump 1B manually from the control room successfully.

January 16, 1975

Analysis of
Occurrence:

There were no personal injuries or exposure attributable to this occurrence. Since this pump is a redundant component and its counterpart functioned properly and the turbine driven auxiliary feedwater pump was verified to be operable, no consequences would result which would affect public safety.

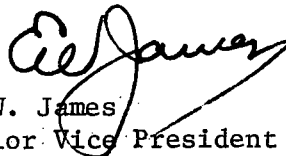
Corrective
Action:

On January 8, 1975, following preliminary evaluation a test program was initiated to determine the cause of the auxiliary feedwater pump failure to start. The test program consists of providing a simulated start signal such as occurs following a reactor trip and recording the voltages of the close and trip coils of the motor's breaker. The pump will be started each normal work day for ten days to verify that the failure was not due to control circuitry component failure. Following the control circuitry testing period, the 480V breaker will be interchanged with a spare and inspected for mechanical failure or indications of possible failure.

Failure Data:

The exact cause for failure to start has not been determined. A supplementary report will be forwarded on a "License Event Report" form if the cause of failure is determined.

Very truly yours,



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

EWJ:sna

cc - Mr. James G. Keppler, US AEC - Region III
Mr. Dwane Boyd, US AEC - Resident Inspector

LICENSEE EVENT REPORT

CONTROL BLOCK:

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1 6

(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	4	1	1	1	1	0	1
7	B	9				14	15									25	26					31	32

CON'T		CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER						EVENT DATE					REPORT DATE							
01	P	O	T	L	0	5	0	-	0	3	0	5	0	1	0	4	7	5	0	1	1	6	7	5
7	B	57	58	59	60	61						68	69				74	75						80

EVENT DESCRIPTION

02	Failure of 1A Auxiliary Feedwater Pump to start on Reactor Trip. Redundant	80
03	pumps operated properly. Pump 1A was started manually immediately following	80
04	trip. Testing of actuation circuits and breaker inspection is proceeding as	80
05	the corrective action.	80
06		80
	PRIME	80

SYSTEM CODE		CAUSE CODE		COMPONENT CODE						COMPONENT SUPPLIER	COMPONENT MANUFACTURER				VIOLATION
0	7	C	H	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	Z	N
7	8	9	10	11						12	13	14	15	16	17
										43					48

CAUSE DESCRIPTION

08	NA	
7 8 9		80
09		
7 8 9		80
10		
7 8 9		80

FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION	
1	1	F	0	7	6	NA	A	Operator Observation	
7	6	9	10	12	13	44	45	46	80

FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE	
1	2	Z		NA		NA	
7	8	9	10	11		44	
						45	80

PERSONNEL EXPOSURES

NUMBER				TYPE	DESCRIPTION
1	3	0	0	0	Z NA

PERSONNEL INJURIES

NUMBER				DESCRIPTION	
1	4	0	0	0	NA

OFFSITE CONSEQUENCES

1	5	NA
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LOSS OR DAMAGE TO FACILITY

TYPE			DESCRIPTION
1	6	2	NA

PUBLICITY

17	NA
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ADDITIONAL FACTORS

18	NA
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19 89 89

NAME: Michael Stern

PHONE: 414/432-3311