

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Kewaunee Nuclear Power Plant DOCKET NUMBER (2) 0500031015 1 OF 012

TITLE (4) Inadvertent Actuation of "1A" Auxiliary Building Special Ventilation Fan

EVENT DATE (5)			LER NUMBER (6)		REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)
02	11	85	85	005	00	03	13	85	NA	050000

OPERATING MODE (9)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5 (Check one or more of the following) (11)									
N	20.402(b)	20.406(c)	X	50.73(a)(2)(iv)	73.71(b)					
POWER LEVEL (10) 01010	20.406(a)(1)(i)	50.34(c)(1)		50.73(a)(2)(v)	73.71(c)					
	20.406(a)(1)(ii)	50.36(c)(2)		50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)					
	20.406(a)(1)(iii)	50.73(a)(2)(i)		50.73(a)(2)(viii)(A)						
	20.406(a)(1)(iv)	50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)						
	20.406(a)(1)(v)	50.73(a)(2)(iii)		50.73(a)(2)(ix)						

LICENSEE CONTACT FOR THIS LER (12)
NAME: Kyle A. Hoops - Associate Engineer
TELEPHONE NUMBER: 414 433-4933

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)									
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC
X	V1J	P1S1V1	J101715	Yes					

SUPPLEMENTAL REPORT EXPECTED (14)
YES (If yes, complete EXPECTED SUBMISSION DATE) X NO
EXPECTED SUBMISSION DATE (15) NA

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single space typewritten lines) (16)

On February 11, 1985, with the plant in a refueling shutdown, a control room operator discovered that the 1A Exhaust Fan of the Auxiliary Building Special Ventilation System (ABSV) was running. Investigation revealed that the coil on the solenoid valve controlling air to the Zone SV Exhaust Filter 1A Inlet Damper had burnt out, failing the three-way solenoid valve in the vent position. This opened the inlet damper which in turn opened the exhaust damper and started the fan on Train A of the ABSV system.

The system failed in the safe position. There was no impact on the health and safety of the public.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
Kewaunee Nuclear Power Plant	0 5 0 0 0 3 0 5	8 5	— 0 0 5	— 0 0	0 2	OF 0 2

TEXT (If more space is required, use additional NRC Form 365A's) (17)

At 1752 on February 11, 1985, with the plant in a refueling shutdown, a control operator discovered that the 1A Exhaust Fan (FAN) of the Auxiliary Building Special Ventilation System (VJ) was running. The control operators could find no indications that would require operation of the system. The fan could not be secured as the Zone SV Exhaust Filter 1A Inlet Damper (DMP) had failed open.

Further investigation revealed the cause of system actuation to be a burnt out coil in the solenoid valve (PSV) controlling air to the Zone SV Exhaust Filter 1A Inlet Damper. The burnt out coil resulted in the three-way solenoid valve failing in the vent position and opening the damper. The damper opening initiated a signal to open the Zone SV Exhaust Fan 1A Discharge Damper which in turn initiated a signal to start the Zone SV Exhaust Fan 1A.

The system was left running in its safe mode of operation until it was removed from service at 2130 on 2/11/85. The valve was replaced and the system was returned to service on 2/13/85.

Due to a history of similar failures of Johnson Controls V-24 solenoid valves, a design change was previously initiated to replace all of these valves on an as-fail basis with ASCO solenoid valves. No Johnson V-24 solenoid valves remain which, upon failure, initiate safeguard equipment. WPSC is currently conducting a review to identify the remaining Johnson V-24 solenoid valves that may be critical in plant operations.

See also LER 84-13 and LER 84-20.

WISCONSIN PUBLIC SERVICE CORPORATION

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



March 13, 1985

U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Gentlemen:

Docket 50-305
Operating License DPR-43
Kewaunee Nuclear Power Plant
Reportable Occurrence 85-005-00

In accordance with the requirements of 10 CFR 50.73 "Licensee Event Report System", the attached Licensee Event Report for reportable occurrence 85-005-00 is being submitted.

Very truly yours,

A handwritten signature in dark ink, appearing to read "D. C. Hintz".

D. C. Hintz
Manager - Nuclear Power

GWH/js

Attach.

cc - INPO Records Center
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