Dominion Energy Kewaunee, Inc. N490 Highway 42, Kewaunee, WI 54216-9511



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U. S. Nuclear Regulatory Commission Attention: Document Control Desk Washington, DC 20555 Serial No. 07-0762 KPS/LIC/JG: RO Docket No. 50-305 License No. DPR-43

DOMINION ENERGY KEWAUNEE, INC. KEWAUNEE POWER STATION LICENSEE EVENT REPORT 2007-009-00

Dear Sirs:

Pursuant to 10 CFR 50.73, Dominion Energy Kewaunee, Inc., hereby submits the following Licensee Event Report applicable to Kewaunee Power Station.

Report No. 50-305/2007-009-00

This report has been reviewed by the Plant Operating Review Committee and will be forwarded to the Management Safety Review Committee for its review.

If you have any further questions, please contact Mr. Jack Gadzala at (920) 388-8604.

Very truly yours,

Stephen E. Scace Site Vice President, Kewaunee Power Station

Attachment

Commitments made by this letter: NONE

JE22 NRR

cc: Regional Administrator, Region III U.S. Nuclear Regulatory Commission 2443 Warrenville Road Suite 210 Lisle, IL 60532-4352

> Mr. P. D. Milano Project Manager U.S. Nuclear Regulatory Commission Mail Stop O-8-H-4a Washington, DC 20555-0001

NRC Senior Resident Inspector Kewaunee Power Station

NRC FORM 366 U.S. NUCLEAR REGULATORY COMMISSION					APPROVED BY OMB NO. 3150-0104 EXPIRES 6-30-2							RES 6-30-2007					
(6-2004) LICENSEE EVENT REPORT (LER) (See reverse for required number of digits/characters for each block)				Estimated burden per response to comply with this mandatory collection request: 50 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the Records and FOIA/Privacy Service Branch (T-5 F52), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202, (3150-0066), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number; the NRC may not conduct or sponsor, and a person is not required to respond to, the information collection.													
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YES (If yes, complete EXPECTED SUBMISSION DATE). X NO DATE (15)																	
On Septer Building V Train A fa	entilatior ilure, Tra	n (SBV) in B SB	Train . V was	0 pm CDT, A damper c inoperable ering their a	ontro for r	oller outir	that ne m	rendere aintena	ed Inc	th ce.	ne train ino . Consequ	perable lently, l	ə. C	oind	cident w	/ith the	
condition, at 1331 C	the routi DT the s	ne mair ame da	ntenan y, with	ble require ce on SBV n the speci y Action Sta	Trair fied a	n B w allow	vas c vanc	complete e. The	ed 12	l a 2-ł	and the trai hour shutd	n was i own co	resto ondit	ored	to ope was the	rable status en exited	
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NRC	FORM	366A
(1.20	01)	

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT (LER)

TEXT CONTINUATION

	CONTINUATION					
FACILITY NAME (1)	DOCKET NUMBER (2)		PAGE (3)			
Kewaunee Power Station	05000305	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	2 of 3	
	(43)	2007	- 009 -	00		
TEXT (If more space is required, use additional copies of NRC Form 366A) Event Description:	(17)					
On September 18, 2007, at 12:00 pm CDT, Dom Shield Building Ventilation (SBV)[VC] Train A da inoperable. Coincident with the Train A failure, Consequently, both trains of SBV were inoperab unavailable.	amper [CDMP] control Train B SBV was inop	ler [CBI erable f	D] that render or routine ma	ed the train	n	
Technical Specification TS 3.6.c states:						
a. All of the following conditions shall be s defined by TS 1.0.g, is required:	satisfied whenever CC	ONTAIN	IMENT SYST	EM INTE	GRITY, a	
 Both trains of the Shield Building Ver OPERABLE or the reactor shall be sl trains of the Shield Building Ventilation reactor operation is permissible only 	hut down within 12 ho on System is made or	urs, exc found to	cept that when	n one of th	e two	
Both trains of SBV being inoperable requires a r condition, the routine maintenance on SBV Trair status at 1331 CDT the same day, within the spe exited and the plant remained in a 7-day Action 3.6.c.	n B was completed an ecified allowance. The	id the tr e 12-ho	ain was resto ur shutdown	red to ope condition v	rable vas then	
The failed controller was subsequently repaired CDT on September 20, 2007.	and the SBV system f	fully res	tored to opera	able status	at 1215	
This event is being reported in accordance with 10 CFR 50.73(a)(2)(v)(C), "Any event or condition that could have prevented the fulfillment of the safety function of structures or systems that are needed to control the release of radioactive material." A notification of this event was previously made in accordance with 10 CFR 50.72(b)(3)(v)(C) on September 18, 2007 (EN# 43651).						
Event and Safety Consequence Analysis:						
The Shield Building Ventilation (SBV) system is Reactor Containment Vessel penetrations into the filters (particulate-absolute-charcoal) to the mon	he annulus of the Shie	eld Build	ling and discl	-		
The Shield Building Ventilation System is design	ned to provide three fu	Inctions	. The first fu	nction is to	produce	

The Shield Building Ventilation System is designed to provide three functions. The first function is to produce a negative pressure within the annulus immediately following the loss-of- coolant accident. The second function is to ensure the mixing of any reactor containment vessel penetration leakage into a large portion of the Shield Building annulus, thereby avoiding potential direct streaming of the radioisotopes to the exhaust duct and hence increasing holdup within the annulus. The third function is to provide long-term cleanup of fission products from the annulus air by recirculation after the loss-of-coolant accident.

NRC	FORM	366A
(1-20	01)	

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		2007	- 009 -	00	

TEXT (If more space is required, use additional copies of NRC Form 366A) (17)

The control dampers in the SBV fan exhaust and recirculation flow paths modulate in response to a pre-set annulus negative pressure. After the initial drawdown of the annulus (i.e., the system has switched to recirculation mode of operation) the Shield Building Vent System controls will maintain a pre-set annulus negative pressure by modulating the exhaust and recirculation dampers so as to provide sufficient amount of exhaust to offset the Shield Building in-leakage.

The SBV System is designed to automatically start following a safety injection signal. Each of the two trains has 100% capacity. If one train is found to be inoperable, there is not an immediate threat to the containment system performance and reactor operation may continue while repairs are being made. If both trains of either system are inoperable, the plant is required to be brought to a condition where the air purification system would not be required.

Because one of the two inoperable SBV trains was quickly restored, coupled with the low probability of an event requiring SBV operation during the brief period when both trains were inoperable, the safety significance of this condition was minimal.

Cause:

Two unrelated causes were responsible for both SBV trains being inoperable concurrently. SBV Train B was rendered inoperable for routine planned maintenance. Train A became inoperable due to a damper controller failure. The specific failure was drift of the high output limit setpoint on a Keane Control Corp Model PD88084-202A servo board. The failed SBV Train A damper controller was not discovered until after the routine maintenance was in progress on the other SBV train.

The damper controller failure was attributed to aging/fatigue of a control board.

Corrective Actions:

An evaluation of the preventative maintenance frequency for these components, along with any associated component replacement actions, is being evaluated via the corrective action process.

Similar Events:

A review of Licensee Event Reports covering the past three years did not identify any similar events.