

P.O. Box 968 ■ Richland, Washington 99352-0968

March 23, 2004 G02-04-048

U.S. Nuclear Regulatory Commission ATTN: Document Control Desk Washington, D.C. 20555-0001

Subject: COLUMBIA GENERATING STATION, DOCKET NO. 50-397 LICENSEE EVENT REPORT NO. 2004-001-00

Dear Sir or Madam:

Transmitted herewith is Licensee Event Report No. 2004-001-00 for the Columbia Generating Station. This report is submitted pursuant to 10 CFR 50.73(a)(2)(i)(B) and 10 CFR 50.73(a)(2)(vii). The enclosed report discusses items of reportability and corrective actions taken.

If you have any questions or require additional information, please contact Ms. CL Perino at (509) 377-2075.

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Respectfully,

D.K. Athinin

DK Atkinson Vice President, Technical Services Mail Drop PE08

Enclosure: 1) Licensee Event Report 2004-001-00

cc: BS Mallet – NRC - RIV
BJ Benney – NRC - NRR
INPO Records Center
NRC Sr. Resident Inspector – 988C (2)
RN Sherman – BPA/1399
TC Poindexter – Winston & Strawn
WB Jones – NRC RIV/fax

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NRC FORM 366 U.S. NUCLEAR REGULATORY (7-2001) COMMISSION							Y AP	APPROVED BY OMB NO. 3150-0104 EXPIRES 7-31-2004 Estimated burden per response to comply with this mandatory information collection request. 50 hours. Reported									
(1-2001) COMMISSION LICENSEE EVENT REPORT (LER) (See reverse for required number of digits/characters for each block)						less burg DC Reg mea may	Esumated burden per response to compty with this mandatory information 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 Management Branch (T-6 E6), U.S. Nuclear Regulatory Commission, Washington DC 20555-0001, or by internet e-mail to <u>bis1@nrc gov</u> , and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202 (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose 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.										
1. FACILITY NAME						2.1	2. DOCKET NUMBER 3. PAGE										
Columbia Generating Station							•	0500)039	7				1 of 3			
4. TITLE						,											
Unanticip	ated in	nopera	abil	ity of bo	oth Control	Room	Emerge	ency I	Filtr	ation ((CR	EF) subsy	yster	ns			
5. EVENT DATE				6. LER NUMBER			7.F	7. REPORT DATE			8. OTHER FACIL			LITIES INVOLVED			
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14. SUF			PPLEMENTAL REPORT EXPECTE			TED)		15. EXPECTED MC		MONT	<u>н</u>	DAY	YEAR			
YES (If yes, complete EXPECTED SUBMISSION DATE). X NO DATE																	
16. ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines)																	
		it was	anu do	aly 25, .	d that a con	dition	nrohibi	ted h	tata artha	appro/	mhi	General	perc ing	Station	ະບັບ ກາງ	chnical	
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0.	om in	look		Durin	r this test (on ducto	2005 for h	whe	Contr	ന്നു പ D	oom Em	argo	u to ma nev Fil	rasu	ion (CPF	
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O	ninm	ent	Dur	ing the f	ime the acc		nels we	Te rer	nove		a pe	nath was	ISIAI	anu n	51 W	ve lest	
compliant. During the time the access panels were removed, a flow path was created that would have																	
accident Both CREF subsystems were determined to have been incoverable when the access namels																	
were removed. With two CREF subsystems inonerable, TS 3.7.3 directs immediate entry into TS																	
Limiting Condition for Operation (I CO) 3.0.3 The fact that removing the access namels caused both																	
CREE subsystems to become inonerable was not recognized at the time the tests were performed																	
because the HVAC ducts were allowed to be breached for short periods of time by the plant harrier																	
ir	npairn	nents	pro	cedure.				ciicu	101 3	SHOLF F				ine pi	ant	Uarrier	
Т	he cau	ise of	this	s event i	s attributed	to ina	dequate	guida	ance	in the	Co	lumbia G	ener	ating S	Stati	on barrie	er
ir u	npairn nderst	nent p andin	roc g of	edure.	The cause of ory guidance	of the i e asso	nadequa ciated v	ate gu vith b	idan arrie	ice in er imp	the j airn	procedure nents.	e wa	s a lacl	c of		

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U.S. NUCLEAR REGULATORY COMMISSION (1-2001) LICENSEE EVENT REPORT (LER)										
		YEAR	SEQUE	NTIAL RE	EVISION					
Columbia Generating Station	05000397		2004 - 0	<u>BER N</u> 01 - 00		2 OF 3				
17. NARRATIVE (If more space is requir	ed, use additional copi	es of NRC For	m 366A)							
DESCRIPTION OF EVENT										
 power, it was determined that a Specifications (TS) existed from on November 10 through 1052 or room in-leakage. The test emplification on November 10 through 1052 or room in-leakage. The test emplification of the surveillance. During preadlowed common ducts for both by removing duct access panels. equipment. During the time that have challenged the ability of bor required by the TS. Since the e subsystems were conservatively With two CREF subsystems ino Limiting Condition for Operation hour to place the plant in application that both CREF subsystems were barrier impairments procedure. breach was continuously attended subsystem. 	condition prohibit 1500 on October on November 11, 2 oyed ANSI N510- eparation for and r Control Room En The access panels oth CREF subsyste xtent of the systen determined to hav perable TS 3.7.3, n (LCO) 3.0.3. T able modes. It wa e inoperable becau This procedure al d and could be res ed out of service a	ed by the C 27 through 2003 when 1989 comp- restoration f argency Fi s were remo- s were remo- ms to press i challenge te been inop Required A S LCO 3.0 s not recog- ise removal lowed the a stored quick and the appl	olumbia C 2100 on C testing wa onent test rom this t Itration (C oved to al oved, an ai urize the could not berable wh action D.1 .3 require nized at th of access access pan dy. Durin licable TS	Generating Detober 29 as conducter methodolo test, the ap CREF) subs llow install irflow path control roo be determinen the acco , directs in a actions to be time the panels wa els to be re- ng perform Action Sta	Station Te , 2003 and ed to measu gy and wa proved tes systems to ation and e was creat on to the p ined, both ess panels nmediate e b be initiat tests were s allowed emoved pro- ance of the	cchnical I from 1305 ure control s not a t procedure be breached removal of test ed that would oressure CREF were removed. entry into TS ed within one performed by the plant ovided the e test, the as entered for				
ASSESSMENT OF SAFETY C	ONSEQUENCES									
The CREF System is designed to habitability of the control room	o provide a radiolo for the safety of co	ogically con ontrol room	trolled en operators	vironment s under all	to ensure plant cond	the litions.				
Because there was no demand to pressurize the main control room with filtered air, there were no actual										
This event is considered reporta 50.73(a)(2)(vii).	ble in accordance	with 10 CF	R § 50.73	(a)(2)(i)(B)) and 10 C	FR §				
IMMEDIATE CORRECTIVE A	ACTIONS									
This event was discovered durin discovery, the testing was comp	g a review of test lete and the CREF	documents system wa	after the t s in a nor	est was co mal standb	mpleted. A	At the time of ation.				

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合长,于这些人们在这种工作。

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NRC	FORM	366A
(1-20	01)	

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET (2)		LER NUMBER (6)	PAGE (3)	
Columbia Concerting Station		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	3 05 3
	00000397		2004 - 001 - 00	3 OF 3	

A Stop Work Order was generated to ensure that breaches of plant systems and barriers were performed in accordance with regulatory requirements and guidance. Procedures and model work order instructions related to Control Room HVAC were reviewed to identify those activities that, if implemented as written, could challenge CREF system operability or result in conditions prohibited by TS.

CAUSE OF THE EVENT

The cause of this event is attributed to inadequate and incorrect guidance in the Columbia Generating Station barrier impairment process and procedures. The cause of the inadequate guidance in the procedure was a lack of understanding of regulatory guidance associated with barrier impairments.

ACTIONS TO PREVENT RECURRENCE

The Barrier Impairment procedure will be modified to clarify equipment operability requirements, to further reinforce the need for a thorough risk assessment of hazard barrier breaches, and to ensure other types of hazard barrier breaches do not result in violating TS requirements.

Other procedures were reviewed for similar vulnerabilities. Several procedures were identified that referenced the Barrier Impairment procedure and/or had similar wording. These procedures have been corrected, are temporarily deactivated, or a Stop Work Order has been issued until adequate corrections have been implemented.

PREVIOUS SIMILAR EVENTS

LER 203-012-00 describes a previous similar event in which a condition reportable pursuant to 10 CFR § 50.73(a)(2)(v)(D) and 10 CFR § 50.73(a)(2)(vii) existed. On November 4, 2003, with the plant in Mode 1, it was determined that a condition that could have prevented the fulfillment of a safety function needed to mitigate the consequences of an accident had existed on November 1, 2003. This condition occurred when the normal and both remote outside air intakes for the CREF system were manually isolated for a period of approximately 4 hours during testing to measure control room in-leakage. In this configuration, the CREF system cannot perform its design safety function to pressurize the main control room with filtered air as described in Columbia's accident analysis. The cause of this event is attributed to inadequate preparation and review of the test procedure used to measure control room in-leakage.

An Energy Northwest team investigating the root cause for the event described in LER 203-012-00 discovered the event described in this LER.