

Palisades Nuclear Plant Operated by Nuclear Management Company, LLC

January 26, 2007

10 CFR 50.73(a)(2)(v)(C)

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

Palisades Nuclear Plant Docket 50-255 License No. DPR-20

Licensee Event Report 06-008, Inoperable Containment Due to Containment Air Cooler Through-Wall Flaw

Licensee Event Report (LER) 06-008 is enclosed. The LER describes the discovery of a through-wall flaw in a containment air cooler tube and the resultant effect on the containment boundary. This event is reportable in accordance with 10 CFR 50.73(a)(2)(v)(C).

Summary of Commitments

This letter contains no new commitments and no revisions to existing commitments.

Paul A. Harden Site Vice President, Palisades Nuclear Plant Nuclear Management Company, LLC

Enclosure (1)

CC Administrator, Region III, USNRC Project Manager, Palisades, USNRC Resident Inspector, Palisades, USNRC

ENCLOSURE 1

LER 06-008, Inoperable Containment Due to Containment Air Cooler Through-Wall Flaw

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NRC FORM 366 U.S. NUCLEAR REGULATORY COMMISSION						SION	APPROVED BY OMB NO. 3150-0104 EXPIRES 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.									
FACILITY NAM	ME (1)						DOCH	KET NUMBER	۹ (2))	-	PAG	E (3)		· · · · · · · · · · · · · · · · · · ·	
Palisades Nuclear Plant							05000-255					1 of 3				
TITLE (4)	<u></u>														<u> </u>	
Inoperable Containment Due to Containment Air Cooler Through-Wall Flaw																
EVENT DATE (5)			LER NUMBER (6) R				EPORT DATE (7)			(OTHER FA	CILITIES INVOLVED (8)				
МО	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO	мо	DA	YEAR	F/	FACILITY NAME			DOCKET NUMBER			
11	29	2006	2006	008	00	01	26	2007	F/	ACILITY NAME		DOC	KET	NUMBER		
OPER/	TING	1		THIS REPORT I	S SUBI	MITTED	PURS	SUANT TO TH	IE F	REQUIREMENT	S OF 10 C	FR э:	(Chec	k all that app	ply) (11)	
MOD	E (9)	Ι	20.:	2201(b)		20.22	203(a)	(3)(ii)		50.73(a)(2)(ii)(B)	50.73(a)(2)(ix)(A)				
POW	/ER	100	20.1	2201(d)		20.22	203(a)	(4)		50.73(a)(2)(iii)	50.73(a)(2)(x)				
LEVEL	_ (10)	100	20.	2203(a)(1)		50.36	6(c)(1)	(i)(A)		50.73(a)(2)(iv)(A)		73.71(a)(4)			
			20.	2203(a)(2)(i)		50.36	S(c)(1))(ii)(A)	 	50.73(a)(2)(v)(A)			73.71	(a)(5)		
			20.	2203(a)(2)(ii)		50.36	6(c)(2))		50.73(a)(2)(v)(B)					
			20.	2203(a)(2)(iii)		50.46	5(a)(3)	(i) X $50.73(a)(2)(v)(C)$			Specify in Abstract below or in NBC Form 3664			act below or in		
		20.2203(a)(2)(iv)			50.73	0.73(a)(2)(i)(A)			50.73(a)(2)(V)(D)	┢╾┷					
			20.2203(a)(2)(v)			50.73	50.73(a)(2)(i)(B)			50.73(a)(2)(-				
			20.2203(a)(2)(v)			50.73	50.73(a)(2)(l)(C)			50.73(a)(2)(4				
20.2203(a)(3)(I) 50.73								ED	EP (12)							
NAME					NOLL	00111	NOT		Тте		MBER (Inc	lude A	rea Co	de)		
Daniel G. Malone						(269) 764-2463										
COMPLETE ONE LINE FOR EACH COMPC					омро	NENT	FAILURE I	DES	SCRIBED IN T	HIS REP	ORT ((13)				
										MANUL		DEBODTABLE				
CAUSE	SYSTEM		PONENT	FACTURER			┊╷╷	CAUSE		SYSTEM	СОМРО	NENT	FA	CTURER	TO EPIX	
	su	PPLEME	NTAL RE	PORT EXPEC	TED (1	4)				EXPECT	TED	МО	NTH	DAY	YEAR	
			CTED SUBMISSION DATE		Í	Y			SUBMISSION							
TES (IT yes, complete EXP							^			DATE (15)					
ABSTRACT																
On November 29, 2006, with the plant in Mode1, a small service water leak (approximately 0.1 gallons per minute) was identified in VHX-4 containment air cooler (CAC). The leak was subsequently determined to be from a pin-hole in a single cooling coil tube at the H-bend fitting.																
The CAC	C cooling	coil is	a par	t of the cor	ntain	men	it bo	oundary,	ar	nd is requ	ired to	o be	stru	ucturally	y sound to	
ensure that post accident containment leakage will not exceed allowable leakage (La). Therefore.																
Technical Specification Limiting Condition For Operation 3.6.1. "Containment" is initially applicable																
for any th	nrough-w	all def	ect no	oted in a C	AC o	cooli	ng c	oil.		, contai	,					
Although characte CAC's m	the size rize the f ission tir	of the flaw to ne.	ident verify	ified pin-ho the opera	ole w bility	oulc of th	l no [.] he c	t have c ooling c	ha oil	llenged L for post-a	_a , it wa accide	as n nt c	ot p ond	ossible itions c	e to over the	
This eve prevente release o	nt is repo d the ful of radioa	ortable fillmen ctive m	in acc t of the nateria	cordance v e safety fu II.	vith ⁻ nctic	10 C on of	FR stru	50.73(a uctures o)(2 or :	!)(v)(C) as systems t	s a cor that ar	nditio e ne	on t eede	hat cou ed to co	uld have ontrol the	

NRC FORM 366A (1-2001)			U.S. NUCLEA	R REGULATORY	COMMISSION
LICENSEE EV TEXT C	ENT REPORT	CLEF	R)		
FACILITY NAME (1)	DOCKET NUMBER (2)		LER NUMBER ((6)	PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	2 of 3
Palisades Nuclear Plant	05000-255	2006	008	- 00	
TEXT (If more space is required, use additional copies of NRC Form 366A) (17)					
EVENT DESCRIPTION					
On November 29, 2006, with the plant in Mode gallons per minute) was identified in VHX-4 cor subsequently determined to be from a pin-hole	1, a small service tainment air coo in a single coolir	e water Iler (CA ng coil	r [BI] leak (a AC) [CLR;BI tube at the	approximat <]. The lead H-bend fitt	tely 0.1 ak was ting.
The CAC cooling coil is a part of the containme	nt [NH] boundar	v: and	is required t	to be struc	turally
sound to ensure that post accident containmen Therefore, Technical Specification (TS) Limiting "Containment" is initially applicable for any thro	t leakage will not condition For C	t excee Operati	ed allowable on (LCO) 3	leakage (.6.1,	(L _a).
Containment, is initially applicable for any line		noted	in a 0/10 00		
Although the size of the identified pin-hole woul characterize the flaw using the criteria prescribe (ASME) Code Case N-513-1 to verify the opera over the CAC's mission time.	d not have challe ed in American S bility of the cooli	enged Society ng coil	L _a , it was n of Mechani for post-ac	ot possible cal Engine cident con	e to eers nditions
Therefore, this event is reportable in accordanc could have prevented the fulfillment of the safe to control the release of radioactive material.	e with 10 CFR 5 ty function of stru	0.73(a uctures)(2)(v)(C) as s or systems	s a conditions that are r	on that needed
Since VHX-4 has no safety-related cooling functive was not affected.	tion, TS LCO 3.6	6.6, "C	ontainment	Cooling S	ystems"
CAUSE OF THE EVENT					
The probable cause of the through-wall flaw is	oss of wall thick	ness d	ue to flow ir	nduced erc	osion.
CORRECTIVE ACTIONS					
VHX-4 was repaired using an ASME accepted	method by plugg	ing tub	es to isolate	e the H-be	end flaw.
The VHX-4 CAC cooling coils are currently school outage.	eduled to be repl	laced c	luring the F	all 2007 re	efueling
SAFETY SIGNIFICANCE					
The safety significance of this occurrence is consingle CAC cooling coil tube, analysis has detended to be met for the bounding postulated	nsidered to be m rmined that all or post-accident so	ninimal. n-site a cenario	For a wors and off-site o	st case fai dose limits	lure of a would

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NRC FORM 366A (1-2001) U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION									
FACILITY NAME (1)	DOCKET NUMBER (2)		PAGE (3)						
		YEAR	SEQU NUI	JENTIAL MBER	REVISION NUMBER	3 of 3			
Palisades Nuclear Plant	05000-255	2006	0	08	00				
TEXT (If more space is required, use additional copies of NRC Form 366A) (17) PREVIOUS SIMILAR EVENTS Licensee Event Report 05-006, "Inoperable Cor Wall Flaw" Licensee Event Report 06-006, "Inoperable Cor Wall Flaw"	ntainment Due to ntainment Due to	o Conta	ainme	nt Air (nt Air (Cooler Th Cooler Th	nrough- nrough-			

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