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1 (5-92)	RC FORM 366 5-92)							APPROVED BY OMB NO. 3150-0104 EXPIRES 5/31/95							
	LICENSEE EVENT REPORT (LER)						ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBE 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET. WASHINGTON. DC 20503.								
FACILITY NAKE (1) Dopald C. Cook Nuclear Plant - Light 1 Dopald Plant								Pag	e 1 of	13					
TITLE (TITLE (4) Reactor Coolant Pump Fire Protection Inoperable For Extended Period Without Compensatory Actions Due to														
	mpic	peny I		eu dasket in op	ayrica					1					
Filmerer	IT_DATE	(5)	[LER_NUMBER_(6	<u>}</u>		REPO	<u>RT_DATE</u>	(7)		OTHER_FAC	ILITIES IN	VOL VED	<u>(8)</u>	
монтн	DAY	YEAR	YEAR	* SEQUENTIAL NUMBER	NUMB	ION ER	MONTH	DAY	YEAR	FACILITY NAME					
03	13	97	97 - 005 - 01 10 23 9			97	FACILITY NAME DOCKET NUMBER				BER				
OPERA	TING	5	THIS R	EPORT_IS_SUBMITT	D PURSI	INNT	TO THE	REQUIR	EMENTS	<u>of 10</u>	CFR 1: (Check	one or mo	<u>(1</u>	1)	
HODE	(9)		20.	2201(b)		 	20.2203	5(a)(3)	(1)		50.73(a)(2)	(111)	73	5.71(b	<u>) </u>
- POW	ER	<u>ر</u> م	20.	2203(a)(1)		<u> </u>	20.2203	<u>(a)(3)</u>	<u>civ_</u>	50.73(a)(2)(j		'iv)	<u> </u>	.71	
LEVEL	(10)		20.2	2203(a)(2)(1)		 	20.2203(a)(4)			50.73(a)(2)((v)	OTHER		
			20.	2203(a)(2)(ii)		L	50.36(c)(1)				50.73(a)(2)(<u>vii)</u>	(Spec	ify i	n
			20.	2203(a)(2)(iii)		<u> </u>	50.36(:)(2)			50.73(a)(2)	viii)(A)	Abstract below		
			20.	2203(a)(2)(iv)		X	50.73(8)(2)(1	>		50.73(a)(2)	viii)(B)	and i	n Tex	t,
			20.	2203(a)(2)(v)			50.73(8	a)(2)(i	<u>i)</u>		50.73(a)(2)	(X)	NKU	.orm 2	00A)
					LICENS	EE (CONTACT	FOR THI	S_LER_	(12)			<u> </u>		
NAME											TELEPHONE NU	MBER (Incl	ude Ar	rea Co	de)
	_		•	– • • •							1				
Mr. Joh	n Boes	ich, Ma	intenan	ice Superintend	ent						616	6/465-590	<u>1, x26</u>	34	
			<u>CO</u> +	PLETE ONE LINE F	OR EACH		MPONENT	FAILURE	DESCR	BED 1	THIS REPORT (13)		· · ·	
CAUSE	CAUSE SYSTEM COMP		PONENT	MANUFACTURER REPOR		TO NPRDS CAUSE		SYSTEM COMPONENT		MANUFACTURER REPOR		ORTABLE NPRDS			
<u> </u>					0TFD (1)	<u></u> _		×							×540
		S	UPPLEME	NIAL KEPUKI EXPE		41.				c	ENTELLED		- ^w	⁸¹ −−{	IEAK
YES					Х но			DATE (15)							
ABSTRAC	T (Limit	to 140	10 space	s, i.e., approxi	mately	15 s	single-sp	paced t	ypewrit	ten li	nes) (16)			·	
h i		•	•							•					I
On March 5, 1997, with Unit 1 in cold shutdown, it was discovered that gaskets in the Fire Protection water spray system for the #13 Reactor Coolant Pump (RCP) had not been properly fabricated prior to installation during the 1995 refueling outage. The improper configuration of the gaskets rendered the Fire Protection system for the #13 RCP inoperable from the time of installation, without compensatory actions being taken. This event is reportable under 10CFR50.73(a)(2)(i)(B), as operation prohibited by Technical Specifications. Although the Fire Protection requirements were removed from the Technical Specifications in March of 1996, at the time the gaskets were installed the Fire Protection Technical Specifications were still in effect.															
The root cause of this event is personnel error. The personnel involved did not properly incorporate into their actions the information contained in the Job Order Activity regarding fabrication of the gaskets, and did not perform an adequate part serviceability inspection. To restore the system to operable status, the old gasket material was removed and new gaskets were installed. Pre-fabricated gaskets will be stocked to prevent this from occurring in the future.										ions n the ea					
adequately protected the fire safety of the plant. Therefore, this event did not constitute a significant hazard to the health and safety of the public.															
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(<u>)</u>	-	LICENSEE EVENT CONTINUATION									
		FACILITY NAME (1)		PAGE (3)							
				YEAR	SEQUENTIAL	REVISION					
		Cook Nuclear Plant - Unit 1	50-315	97	005	01	2 OF 3				
		TEXT (if more space is required, use additional NRC Form 366A's) (17)	•	т.		•				
		Condition Prior to Event									
		Unit 1 was in Mode 5, Cold Shutdown.									
		Description of Event		-							
		The Reactor Coolant Pump (RCP) motor Fire Protection is a dry pipe, manually actuated system. Normally the system has 35 to 40 psi supervisory air in the system, and the spay heads are closed. When the fusible link in the spray head is melted, air pressure in the piping is reduced, sounding alarms in both the Control Room and the Containment Auxiliary Subpanel. Operators then manually open the isolation valve to admit water to the header around the RCP motor.									
		On March 5, 1997, while installing the blank side of a spectacle flange for 1-ZFP-391-3, RCP #3 deluge valve, it was discovered that the rubber gaskets installed during the 1995 refueling outage had not been properly fabricated. The gaskets were to have been fabricated out of a sheet of red rubber by the installer, with the center of the gasket cut out to provide a flow path for the water spray. The gasket material, when discovered, had been installed as a solid sheet of red rubber. The center area, which should have been cut away during installation, was found to be torn. The torn gaskets are attributed to the pressure of the supervisory air.									
		Cause of Event					•				
		The root cause of this event is personnel error. The personnel involved did not properly incorporate into their actions the information contained in the Job Order Activity regarding fabrication of the gaskets. In addition the personnel did not perform an adequate part serviceability inspection.									
		Analysis of Event									
		This event is being reported in accordance with 10Cl Specifications. Although Fire Protection were remov time that the improperly fabricated gasket was install	FR50.73(a)(2)(i)(B), ed from the Technic led, the Technical Sp	as oper al Spec pecificat	ation prohibited ifications in Mar ions were still ir	by Techn ch of 1996 reffect.	ical 5, at the				
-		The configuration of the gasket material would have system. The system was capable of being actuated some reduced capability. The associated system co operation and the RCP oil collection system - would defense-in-depth fire protection for this area adequat did not constitute a significant hazard to the health at	impacted only the flo but the torn gaskets mponents - detection have operated. Base tely protected the fire and safety of the public	ow chara s would on, Coni sed on t e safety ic.	acteristics of the have restricted trol Room notific his, it has been of the plant. Th	e RCP fire the flow, r cation , del concluded nerefore, th	protection esulting in uge valve I that the his event				
		This condition was discovered on March 5, 1997. Due the gaskets had been in place since the previous refi and the fact that the Fire Protection Technical Specif of 1996, the condition was determined to be reportable	uring the investigatio ueling outage, in the fications were in effe ple on March 13, 199	n of this fall of 1 ct from 7.	s condition it bed 995. Based on the time of insta	came appa this inforn Illation unt	arent that nation, il March				

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	NRC FORM 366A U. WUCLEAR REGULA	PPROVED BY OMB NO. 3150-0104 EXPIRES 5/31/95									
XIII.	LICENSEE EVENT CONTINUATION	ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.									
	FACILITY NAME (1)	DOCKET_NUMBER (2)	[LER_NUMBER_(6)		PAGE (3)					
	Cook Nuclear Plant - Unit 1	50-315	YEAR 97	SEQUENTIAL	REVISION 01	3 OF 3					
F	TEXT (if more space is required, use additional NRC Form 366A's) (1		- ************************************	··							
	Corrective Actions										
	The old gasket material was removed and properly o	onfigured gaskets v	vere ins	talled.							
	Properly configured gaskets will be purchased or pre-fabricated and set up in stock, thus eliminating the need for the installers to fabricate the gasket.										
	Information on this event will be presented to person need to follow written instructions and to reinforce the	nel in the groups when the groups when the second	nich inst lion to d	all these gasket etails.	s to illustr	ate the					
	The gaskets for the other Unit 1 RCP Fire Protection headers were also checked. All were found to have been properly fabricated and installed.										
	Failed Component Identification										
	None										
	Previous Similar Events										
	None										
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