MUCLEAR REBULATORY COMM MAIO APPROVED DAME NO. 3180-0104

							uc	ENSE	E EAG	MI ME	PORT	(LEK)						
			717									00	-	ui .	PASTIS			
Shoreham Nuclear Power Station Unit #1								0	15 10 10 10 12 12 1 2 1 OF 0 13									
1,111		B"	Sid	e In	Initiat take Va	ion	Whi				lainte	nance on t	he Valve	Actuato	or for the			
EVENT DATE IS LES HUMBER IS					AL	REPORT DATE (N OTHER				FACILITIES INVOLVED IN								
MONTH DAY YEAR YEAR			SEQUENTIAL M			MON WOR	MONTH	ONTH DAY		RIGHT.		DOCKET NUMBERIS						
											ne ensue			0 151010	10111			
0 6	8			-	0 3 9	-	distance amount		2 4	8 6				0 1510 10101 1 1				
RATING	ı	1	_		A STREET, SQUARE, SQUA	014	THAUSE	0 THE A	COULAR	ENTS OF 1	CFR 4: 10	hack one or many of	the Astronomy (1)	1				
	10.1	4	_	M-400 PHILLIAM					20.400(a) 00.30(a)(1)		X 06.73(a)(2)(w) 06.73(a)(2)(w) 06.73(a)(2)(w)((A) 06.73(a)(2)(w)((A) 06.73(a)(2)(w)((B)			72.7160				
		E		56.465 (a) (1) (m)			96.73610HU 96.73610HU							DTHER (Specify in Abstract become and in Tast, NAC Form Secal)				
all the said	6.000	88		-	NU NA							60.73(a)(2)(a)						
						-			CONTAC	T FOR THIS	FEW (13)			TELEPHONE NU	WALE			
													AREA CODE					
ert	W. (ru	nse	Lch	. Opera	at 1	onal	Comp	liano	e Eng	ineer		5 1116	912191	-18131010			
,				_								O IN THIS REPORT						
SVETEM	co	#0A	ENT	•	TURES			204		CAUSE	SYSTEM	COMPONENT	MANUFAC	REPORTABLE TO NPROS				
VIA	11	SIL	/1	В	12 13 1 7	N	lo					_1.1.1						
		1	1		LLI							111	: 11					
					BUPPLEME	NTAI	REPORT	EXPECT	10 (14)				*x*****	MONT	H DAY YEAR			
			CTED	8U04	HISSION DATE	,		X	7 40				BUDMISSI	ON				
	RBSV RBNV OBAV OBAV OBAV OBAV OBAV	RBSVS IN RBNVS SENT DATE OF THE PROPERTY OF TH	PRESVS "B" RBSVS "B" RBNVS Sys SUT DATE UD DAY VEAR O 6 8 6 6 RAYING 4 O 10 1 0	RBSVS "B" Sid RBSVS "B" Sid RBNVS System ON VEAR VEAR ON ON VEAR VEAR ON O	Preham Nuclear Po RBSVS "B" Side RBNVS System In BUT DATE ON DAY VEAR VEAR O 6 8 6 8 6 THE REPORT ODE ON 4 BASES DATE OF THE REPORT ODE ON 4 BASES DATE OF THE REPORT OF T	RBSVS "B" Side Initiat RBNVS System Intake Va SHIT DATE ID LEA NUMBER I DAY VEAR VEAR SEQUENTIAL OF 8 6 8 6 0 3 9 THIS REPORT IS SUBMITTE ODE ID ON SHIP SECUENTIAL SA ASSEMITION SA ASSEMITION	PRESVS "B" Side Initiation RBNVS System Intake Valve EAR NUMBER 140 DAY VEAR VEAR SEQUENTIAL O 6 8 6 8 6 0 3 9 INATING COSE ON 4 SAME SECUENTIAL S	PRESENT BY Side Initiation White RENVS System Intake Valve SHIT DATE OF LESS SUBMITIAL STATE OF THE REPORT TO BURNINGS STATE OF THE REPORT TO BURNINGS STATE OF THE PORT TO BE LINE FOR THE STATE OF THE PORT TO BE LINE FOR THE STATE OF THE PORT TO BE LINE FOR THE STATE OF THE PORT TO BE LINE FOR THE STATE OF THE PORT THE STATE OF THE STATE OF THE PORT THE STATE OF THE STA	PRANTE IN OTHER POWER STATION Unit # PORT PROPERTY IN THE REPORT IS SUMMITTED FURBULANT TO THE RESULT OF THE REPORT IS SUMMITTED FURBULANT TO THE RESULT OF	PRAME (1) Preham Nuclear Power Station Unit #1 RBSVS "B" Side Initiation While Perfor RBNVS System Intake Valve But Date (10) Day Vean Vean Sequential Sequential Month Day O 6 8 6 8 6 0 3 9 0 0 1 0 2 4 BATTIME THIS REPORT IS SUBMITTED FUNDUANT TO THE REQUIREM COSE (10) A SECURITION SEASON	TRANS IN THE REPORT IS SUBMISSION DATE! RESUS "B" Side Initiation While Performing MRENUS System Intake Valve BAY VEAR VEAR SEQUENTIAL SELECTION MONTH DAY VEAR DAY VEAR VEAR SEQUENTIAL SELECTION MONTH DAY VEAR OF A STATING OF THIS REPORT IS SUBMITTED FURSUANT TO THE REQUIREMENTS OF THE REALITION OF THE REQUIREMENTS OF THE REALITION OF THE REPORT EACH COMPONENT PAILURE OF THE TOWN THE TOWN THE THE REALITION OF THE REALITION	TRANS III Side Initiation While Performing Mainte RBNVS System Intake Valve BIT BATE ION LER HUMBER ION DAY VEAR VEAR SAGULTITIAL MAY WHICH MONTH DAY VEAR O 6 8 6 8 6 0 3 9 6 0 1 0 2 4 8 6 BATTOM THE REPORT IS SUBMITTED FURBULANT TO THE REQUIREMENTS OF IS CPR § 10 000 to 1 0 000 t	Preham Nuclear Power Station Unit #1 RRSVS "B" Side Initiation While Performing Maintenance on the RBNVS System Intake Valve BHT DATE (8) LER NUMBER (8) LER NUMBER (8) DAY VEAR VEAR SEQUENTIAL	TRANS (1) PREMIS SIDE INITIATION While Performing Maintenance on the Valve RENVS System Intake Valve RENVS System Intake Valve BUT DATE (8) DAY VEAR VEAR SOUTH STATE OF STATE OF THE FACILITY HAMES O 6 8 6 8 6 0 3 9 0 0 1 0 2 4 8 6 REATING O 6 8 6 8 6 0 3 9 0 0 1 0 2 4 8 6 REATING O 6 8 6 8 6 0 3 9 0 0 1 0 2 4 8 6 REATING O 7 10 2 4 8 6 REATING O 8 20 0 1 0 2 4 8 6 REATING O 8 20 0 1 0 2 4 8 6 REATING O 9 0 0 1 0 2 4 8 6 REATING O 10 1 0 2 4 8 6 REATING O 10 1 0 2 4 8 6 REATING O 10 1 0 2 4 8 6 REATING O 10 1 0 2 4 8 6 REATING O 10 1 0 2 4 8 6 REATING O 10 1 0 2 4 8 6 REATING O 10 1 0 2 4 8 6 REATING O 10 1 0 2 4 8 6 REATING O 10 1 0 2 4 8 6 REATING O 10 1 0 2 4 8 6 REATING O 10 1 0 2 4 8 6 REATING O 10 1 0 2 4 8 6 REATING O 20 1 0 2 4 8 6 O 20 1 0 2	PRAME THE POWER STATION Unit #1 RESVS "B" Side Initiation While Performing Maintenance on the Valve Actuator RENVS System Intake Valve RENVS System Intake Valve INTENTION OF A STATE OF THE PROPERTY OF THE PROLITE OF THE PROLITE OF THE REQUIREMENT OF THE REPORT THE SUBMITTED FUNDANT TO THE REQUIREMENT OF THE PROLITING TATHER TO THE REQUIREMENT OF THE PROLITING TATHER TO THE REQUIREMENT OF THE PROLITING TO THE REQUIREMENT OF THE PROPERTY OF THE PROLITING TO THE REQUIREMENT OF THE PROLITING TO THE REQUIREMENT OF THE PROPERTY OF THE REPORT OF THE PROPERTY OF THE REPORT OF THE PROPERTY OF THE P			

On October 6, 1986 at 1346 there was an unplanned initiation of the Reactor Building Standby Ventilation System (RBSVS) "B" The plant was in Operational Condition 4 (Cold Shutdown) with the mode switch in Shutdown and all rods inserted in the core. While clearing a tag on valve 1T46*AOV-035B per Station Equipment Clearance Permit 86-10-28, the Equipment Operator (EO) was backing out a jacking screw from the valve actuator. The actuator, pressurized with station air, ejected the screw, as it neared the end of its thread engagement. On loss of air to the actuator, the valve isolated causing the RBSVS initiation. Plant Management was notified and the NRC was notified at 1455 per 10CFR50.72. jacking screw was then replaced and the Reactor Building Normal Ventilation System was returned to service. Maintenance Work Requests (MWRs) have been generated to accomplish the marking of the jacking screw, and for similar actuators, to indicate the limit to which the screw can be safely withdrawn, and warning signs will be posted at each actuator to indicate the hazard. Engineering will be requested to evaluate the feasibility of a retaining device to eliminate the potential for recurrence of this event. The Incident Report will become required reading for all operators, mechanics, and technicians.

8911010181

	LICENSEE EVENT REPORT (LER) TEXT CONTI	••	endes soies					
	DESCRIPTION OF THE PROPERTY OF	DE MANUS				PA01 ID		
		*100		Maria.				
Shoreham Nuclea	Power Station Unit #1 .	2 816	-	013 19	-010	0 12	of	0 13

PLANT AND SYSTEM IDENTIFICATION

General Electric - Boiling Water Reactor

Energy Industry Identification System (EIIS) codes are identified in the text as [xx].

IDENTIFICATION OF THE EVENT

Reactor Building Standby Ventilation System (RBSVS) [VA] "B" initiation while performing maintenance.

Event Date: 10/6/86

Report Date: 10/24/86

CONDITIONS PRIOR TO THE EVENT

Operational Condition 4 (Cold Shutdown)

Mode Switch - Shutdown

RPV Pressure = 0 psig

RPV Temperature = 145 degrees F

All rods inserted in the core

DESCRIPTION OF THE EVENT

On October 6, 1986 at 1346 there was an unplanned initiation of the Reactor Building Standby Ventilation System (RBSVS) "B" Train. The Equipment Operator (EO) was clearing a tag on Reactor Building Normal Ventilation System (RBSVS) valve 1T46*AOV-035B as required by Station Equipment Clearance Permit (SECP) 86-10-28. The jacking screw on the valve actuator had been fully inserted to block the system intake isolation valve open and allow I&C to repair an instrument air leak on the actuator. The EO was backing the jacking screw out when air pressure to the actuator ejected the screw and loss of air caused the valve to isolate. In response to the isolation signal, the RBSVS "B" Train initiated. Plant Management was notified at 1456 and the NRC was notified at 1455 per 10CFR50.72. The jacking screw was re-installed and the RBSVS was returned to service. The RBSVS was in service for approximately one (1) hour prior to being secured.

LICENSEE EVENT REP	ORT ILEN TEXT CON	\$1 BEST (\$10 BEST (\$2.50 BEST \$2.50 BEST \$1 BEST (\$10 BEST \$1 BEST \$1.50 BEST \$1.50 BEST \$1.50 BEST \$1.50 BEST	in of lift-op.
Casan's cold of	DOSALI GLASLO DI	GIO GLORIO DE CONTRE	Padi ib
Shoreham Muclear Power Station Unit	e1 . je je je je j 3 j 3	1 2 8 1 6 - 0 p 19 - p 10	0 1 3 00 0 13

CAUSE OF THE EVENT

100 00% 000 CM 0 11h

The cause of the incident was that the design did not require a retaining device or some indication that the screw was nearing the end of its thread engagement. Nor was it specified in any Station Procedure that the screw was part of the pressure boundary of the actuator. The EC involved in this incident is qualified per SP21.006.01.

ANALYSIS OF THE EVENT

The event was an unplanned actuation of an Engineered Safety Feature (RBSVS), and is reportable per 10CFR50.73(a)(2)(iv). There was minimal safety significance to the event. The RBSVS initiated on an isolation signal per design. Had the event occurred under a more severe set of circumstances (5% power) there would be no appreciable increase in significance.

CORRECTIVE ACTIONS

Twelve Maintenance Work Requests have been initiated, MWR's 86-5008 through 86-5019, inclusive, to accomplish the marking of the jacking screw on this and similar valves to the limit the screw can safely be withdrawn, and warning signs will be affixed to each actuator to delineate the hazard, consequences and the reason for the markings. Engineering will be requested to evaluate the feasibility of a permanent retaining device to eliminate the potential for recurrence of this event. To prevent recurrence, the Incident Report, IR 86-022, will become required reading for all operators, mechanics, and technicians.

ADDITIONAL INFORMATION

- a. Manufacturer and model number of failed component (s)
 Fisher Controls Company 72" Type 9220 Valve Assembly
 with Bettes T-316 SR2-M3 Rotary Actuator.
- b. LER numbers of previous similar events



LONG ISLAND LIGHTING COMPANY

SHOREHAM NUCLEAR POWER STATION . P.O. BOX 528 - WADING RIVER, NEW YORK 11792

TEL. (\$16) 929 8300

October 24, 1986

PM-86-285

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

Dear Sir:

In accordance with 10CFR50.73, enclosed are copies of Shoreham's Nuclear Power Station Unit 1's Licensee Event Reports 86-038 and 86-033.

Sincerely yours.

William E. Steiger, Jr.

Plant Manager

WES/pz

Enclosure

cc: Dr. Thomas Corley, Regional Administrator
John Berry, Corlor Resident Inspector
Institute of Corler ear Power Operations, Records Center
American Nuclear Insurers

SR. A21.0200

1822