UP C Form 366 (9/83) LICENSEE EVENT REPORT (LER)						U.S. NUCLEAR REGULATORY COMMISSION APPROVED OMB NO. 3150-0104 EXPIRES: 8/31/85				
·										
FACILITY NAME (1)	DOCKET NUM	ABER (2) PAGE (3)								
TITLE (4)		0 3 6 1 1 0F 0 2								
CONTAINMENT PURGE IS	SOLATION SYSTE	M (CPIS) ACT	UATIONS							
EVENT DATE (5)	ER NUMBER (6)		TE (7)		FACILITIES	NVOLVED (8)				
	NUMBER WINHBER WONTH DAY TEAR					0 15 10 10 10 1 1				
	03500	0 0 6 0 3 JRSUANT TO THE RE		5 OF 10 CFR 8: (C	heck one or mo	0 5 0 0 0				
MODE (9) 1 20.	402(b)	20.405(c)		X 50.73(a)(2)(i	v)	73.71(b)				
POWER 20.405(a)(1)(i) 50.36(c)(1)				50.73(a)(2)(v)	73.71(c)				
	(10) 1 0 20.405(a)(1)(ii) 50.36(c)(2) 20.405(a)(1)(iii) 50.73(a)(2)(i) 50.73(a)(2)(i)				50.73(a)(2)(vii) 50.73(a)(2)(viii)(0) 50.73(a)(2)(viii)(0) 50.73(a)(2)(viii)(0) 50.73(a)(2)(viii)(0) 50.73(a)(2)(viii) 50					
20.	405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(v	iii)(B)					
20.4	405(a)(1)(v)	50.73(a)(2)(ii	i)	50.73(a)(2)(x)					
NAME	L		FURTHIS	LER (12)	т	ELEPHONE NUMBER				
11					AREA COD	Ē				
H. E. MORG	AN, STATION M	ANAGER			7 1 4	3 6 8 - 6 2 4 1				
CAUSE SYSTEM COMPONENT MA	NUFAC- REPORTABI	E			REPORT (13)					
T	URER TO NPRDS		CAUSE SYSTE	COMPONENT	MANUFAC- R TURER	EPORTABLE TO NPRDS				
				-						
SUPPLEMENTAL REPORT EXPECTED (14)						MONTH DAY YEAR				
YES (If yes, complete EXPEC SUBMISSION DATE)	TED X	NO			DATE (15)					
A review of operating Onofre Unit 2 Train between March 16, 199 noise spikes which as spikes are most freque Injection (HPSI) system In all cases where the the valves closed in radiation levels were Cabling for the Train containing control an Train "A" cabling for measures previously the grounding of the deter modifications which we these actuations will will determine approp	g records has "A" Containment 86 and May 27 ffected Conta- uently genera- tem components he main conta- accordance with e below the CP n "A" CPIS more accordance with below the CP n "A" CPIS more nd power cable of HPSI swing power cable taken, include ector and associate vill effective l continue to oriate further safety aspect	identified nt Purge Iso 1987. The inment Area A ted by operate s. inment purge ith design re PIS actuation nitor 2RT-785 es associated oump P-018 ar ed replacing ociated cabli ely eliminate be investiga corrective s of such ac	fifteen lation S se actua adiatio tion of or mini equirements for a set po of is ro i with t of the det ng. The sthe det action. tuation:	spurious ac ystem (CPIS tions were n Monitor 21 Train "A" H -purge isola nts. In al int. uted through he Train "A" rain "A" HPS ector and er e feasibilit urce of the ased upon th s and consid	tuations of) which of initiated RT-7856. igh Pressu ation valv l cases, of h cable tr " HPSI pum SI valves. nsuring pr ty of plan noise spi his invest	of the San courred by electrical These noise are Safety Yes were open, containment ays ap P-017, the Corrective oper t kes causing igation, SCE as having no				
RC Form 8706110133 PDR ADDCH S	3 870603 (05000361 PDR									

C Form 366A 83)		LICENSEE EV TEXT CO	/ENT REPORT (LE ONTINUATION		EAR REGULA PROVED OMB PIRES: 8/31/85	TORY C NO. 3150	0MM -0104	ISSIO
CILITY NAME(1)			OCKET NUMBER (2)	LER NUMBE	R (6)	PA	GE (3)
	•			YEAR SEQ.	REV.		Π	
AN ONOFRE NUC	LEAR GENE	RATING STATION,						
NIT 2.			0 5 0 0 0 3 6 1	8 6 - 0 3 5	- 0 0	0 2	OF	0 2
T (If more space is re	quired, use add	itional NRC Form 366A's) (17)			· · ·			
review of al	1 operati	ng records has iden	tified fifteen s	purious actua	tions of	the	San	
nofre Unit 2	Train "A"	Containment Purge	Isolation System	(CPIS) (EIIS	System	Code	VA)	• ·
nese actuatio	ns were i	nitiated by electri	cal noise spikes	which affect	ed Conta	inmen	tΑ	rea
diation Moni	tor (EIIS	6 Component Code RIT) 2RT-7856, and	are identifie	d in the	tabl	e b	elo
		Containment						
		Purge Valves		•				
Date	(Time)	Actuation	Annarent Caus	al Activity				
Ducc	<u>(111107</u>	<u>Neture form</u>	Appurent caus	al Accivity				
5/27/87	(2227)	Already closed	Train "A" Hig	h Pressure Sa	fetv			
0,21,01	(222/)	Anneady crosed	Injection (HP	SI) Pump Star	tod			
			11136661011 (111	SIT I ump Seur				
5/20/87	(1630)	Already closed	Train "A" HPS	I Pump Starte	d'			
0,20,0,	(1830)	Already closed	Train "A" HPS	I Pump Starto	4			
	(1000)	Alleddy closed		I rump scarce	u			
5/7/87	(2059)	Already closed	Train "A" HPS	I Pump Starte	ď			
-, -,	(,			I Tump oour oo	4			
2/25/87	(1439)	Already closed	Train "A" HPS	I Pump Starte	d			
	•			- · · · · · · · · · · · · · · · · · · ·				
11/21/86	(0403)	Already closed	Train "A" HPS	I Pump Starte	d			
11/1/86	(1755)	Already closed	Train "A" HPS	I Pump Starte	d			
	(1806)	Already closed	Train "A" HPS	I Pump Starte	d			
	•							
8/27/86	(1604)	Already closed	Train "A" HPS	I Valve HV-93	24			
		•	Operated					
	(2220)	Already closed	Train "A" HPS	I Pump Starte	d			
		- · ·						
4/13/86	(0309)	Main Purge Valves	HPSI Valve Te	sting				
	(0640)	Main Purge Valves	Train "A" HPS	I Pump Starte	d			
· · ·	(0652)	Main Purge Valves	Train "A" HPS	I Pump Runnin	q			
	(1050)	Main Purge Valves	Unknown Noise	Spike	•			
		-		•				
3/16/86	(2356)	Mini-Purge Valves	Train "A" HPS	I Pump Starte	d ·			
all cases wi e valves clo diation leve	here the sed in ac ls were b	main containment pur cordance with design elow the CPIS actuat	rge or mini-purg n requirements. tion set point.	e isolation v In all cases	alves wen , contain	re ope nment	en,	•
e principal (cause of	these events has be	en determined to	be actuation	of HPSI	Traii	n "/	Α"

components. Cabling for the Train "A" CPIS monitor 2RT-7856 is routed through cable trays containing control and power cables associated with the Train "A" HPSI pump P-017, the Train "A" cabling for HPSI swing pump P-018 and the Train "A" HPSI valves. Corrective measures previously taken, included replacing the detector and ensuring proper grounding of the detector and associated cabling. The feasibility of plant modifications which will effectively eliminate the source of the noise spikes causing these actuations will continue to be investigated. Based upon this investigation, SCE will determine appropriate further corrective action.

Similar CPIS actuations involving CPIS monitor 2RT-7856 have occurred previously and were most recently reported in LER 86-24 (Docket 50-361). SCE has reviewed the safety aspects of such actuations and considers them as having no safety consequence.