

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)
Waterford 3 Steam Electric StationDOCKET NUMBER (2)
0 5 0 0 0 3 8 2

PAGE (3)

1 OF 0 3

TITLE (4)

Spurious Actuations of Control Room Ventilation System

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)														
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES	DOCKET NUMBER(S)													
0	9	12	8	5	8	5	0	3	9	0	0	1	0	1	1	8	5	N/A	0	5	0	0	0
										N/A	0	5	0	0	0								

OPERATING MODE (9)	POWER LEVEL (10)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)									
5	0	0	0	20.402(b)	20.405(c)	X	50.73(a)(2)(iv)	73.71(b)			
				20.405(a)(1)(i)	50.36(c)(1)		50.73(a)(2)(v)	73.71(e)			
				20.405(a)(1)(ii)	50.36(c)(2)		50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)			
				20.405(a)(1)(iii)	50.73(a)(2)(i)		50.73(a)(2)(viii)(A)				
				20.405(a)(1)(iv)	50.73(a)(2)(ii)		50.73(a)(2)(viii)(B)				
				20.405(a)(1)(v)	50.73(a)(2)(iii)		50.73(a)(2)(x)				

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Smith, Maintenance Superintendent	5 1 0 4 4 6 4 - 3 1 1 3 8

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)	NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
X					

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

ABSTRACT

At 0936 hours on September 12, 1985 Waterford 3 Steam Electric Station was in mode 5 (cold shutdown) when the first of four (4) automatic actuations of the Engineered Safety Features portion of the Control Room Ventilation System occurred. This condition recurred on September 19 (0210 hours, mode 3), 27 (0920 hours, 85% power), and October 7 (1045 hours, mode 5), 1985. In each case air samples taken by Health Physics technicians revealed that radiation levels were within normal tolerances. Each of the actuations were due to electrical spikes and/or spurious actuations of the Control Room Outside Air Intake Monitors.

Since the equipment involved performed as designed, and since the Control Room Outside Air Intake Radiation Monitors would have performed as designed in the event of a radioactive release, the above events did not pose a safety concern.

8510210163 851011
PDR ADOCK 05000382
S PDR

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1) Waterford 3 Steam Electric Station	DOCKET NUMBER (2) 0 5 0 0 0 3 8 2 8 5 - 0 3 9 -	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
					0 2	OF	0 3

TEXT (If more space is required, use additional NRC Form 366A's) (17)

NARRATIVE

Over the course of several weeks Waterford 3 Steam Electric Station experienced four (4) actuations of Engineered Safety Features portion of the Control Room Ventilation System. In each case the actuations were due to electrical spikes and/or spurious actuations of the Control Room Outside Air Intake Monitors. A synopsis of the events are described below.

At 0936 hours on September 12, 1985 Waterford 3 Steam Electric Station was in mode 5 (cold shutdown) when Control Room Outside Air Intake Monitor ARM-IRE-0200.1S experienced an electrical spike resulting in the actuation of the Engineered Safety Features portion of the Control Room Ventilation System.

At 0210 hours on September 19, 1985 Waterford 3 was in mode 3 (hot standby) when Control Room Outside Air Intake Monitor ARM-IRE-0200.2S experienced an electrical spike resulting in the actuation of the Engineered Safety Features portion of the Control Room Ventilation System.

Spurious actuations of Control Room Outside Air Intake Monitor ARM-IRE-0200.1S recurred at 0920 hours on September 27, 1985, and again at 1045 hours on October 7, 1985. Waterford 3 was at 85% power and in mode 5 respectively, when the actuations occurred.

In each of the above events the alarms cleared relatively quickly, and air samples taken by Health Physics technicians revealed that radiation levels were within normal tolerances.

SAFETY CONSEQUENCES AND IMPLICATIONS

Since the equipment involved performed as designed, and since the Control Room Outside Air Intake Monitors would have performed as designed in the event of a radioactive release, the above events did not pose a safety concern.

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1) Waterford 3 Steam Electric Station	DOCKET NUMBER (2) 0 5 0 0 0 3 8 2	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 5	- 0 3 9	- 0 0	0 3	OF	0 3

TEXT (If more space is required, use additional NRC Form 366A's) (17)

CORRECTIVE ACTION

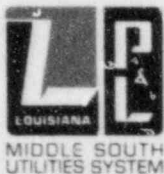
As described in previous Licensee Event Reports several modifications have been made to the radiation monitors to reduce the number of spurious Engineered Safety Features actuations. These include the installation of electrocubes, shielding the preamplifier boards, and adjusting the discriminator levels on all four Control Room Outside Air Intake Radiation Monitors. The combination of these modifications/adjustments have reduced the number of spurious actuations. However, the monitors continue to be susceptible to electrical spikes due to equipment operation. Waterford 3 Maintenance Personnel will continue to investigate each actuation in an effort to further reduce the number of spurious actuations.

SIMILAR EVENTS

Licensee Event Reports - 85 -002, -005, -030, and -036 reported spurious actuations of the Engineered Safety Features portion of the Control Room Ventilation System.

PLANT CONTACT

T. Smith, Superintendent, 504/464-3138



LOUISIANA
POWER & LIGHT

142 DELARONDE STREET
P. O. BOX 6008 • NEW ORLEANS, LOUISIANA 70174 • (504) 386-2345

October 11, 1985

W3P85-3214
A4.05
QA

Director, Office of Nuclear Reactor Regulation
ATTENTION: Document Control Desk
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Subject: Waterford 3 SES
Docket No. 50-382
License No. NPF-38
Reporting of Licensee Event Report

Dear Sirs:

Attached is Licensee Event Report Number LER-85-039-00 for the Waterford 3 Steam Electric Station. This Licensee Event Report is submitted per 10CFR50.73(a)(2)(iv).

Very truly yours,

K.W. Cook
Nuclear Support & Licensing Manager

KWC:GEW:sms

Attachment

cc: R.D. Martin, G.W. Knighton, J.H. Wilson, NRC Resident Inspectors
Office, INPO Records Center (J.T. Wheelock), B.W. Churchill,
W.M. Stevenson

IE22
11