

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Clinton Power Station										DOCKET NUMBER (2) 0 5 0 0 0 4 6 1										PAGE (3) 1 OF 0 4																								
TITLE (4) Violation of the Plant's Technical Specifications Due to Utility Personnel Error																																												
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)											
																											NONE						0 5 0 0 0											
0 7			1 3			8 7			7 8			7 8			0 3			7 0			0 0			0 8			1 2			8 7									0 5 0 0 0					
OPERATING MODE (9)						THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																																						
1						20.402(b)						20.406(c)						50.73(a)(2)(iv)						73.71(b)																				
POWER LEVEL (10)						20.406(a)(1)(i)						50.36(c)(1)						50.73(a)(2)(v)						73.71(c)																				
0 5 5						20.406(a)(1)(ii)						50.36(c)(2)						50.73(a)(2)(vi)						OTHER (Specify in Abstract below and in Text, NRC Form 366A)																				
						20.406(a)(1)(iii)						X 50.73(a)(2)(i)						50.73(a)(2)(viii)(A)																										
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						20.406(a)(1)(vi)												50.73(a)(2)(iv)																										
LICENSEE CONTACT FOR THIS LER (12)																																												
NAME										TELEPHONE NUMBER																																		
D. W. Hillyer, Director - Plant Radiation Protection, Ext. 3233										AREA CODE 2 1 7 9 3 5 - 8 8 8 1																																		
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																																												
CAUSE		SYSTEM		COMPONENT		MANUFACTURER		REPORTABLE TO NRC		CAUSE		SYSTEM		COMPONENT		MANUFACTURER		REPORTABLE TO NRC																										
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)						MONTH DAY YEAR																												
YES (If yes, complete EXPECTED SUBMISSION DATE)										X NO																																		

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

ABSTRACT

On July 13, 1987, it was discovered that between 0800 and 2400 on July 12, 1987, two once-per-shift Technical Specification Section 4.3.2.1 Surveillances were not performed. On July 24, 1987, it was discovered that between 0800 and 2400 on July 23, 1987, this event occurred again; the same once-per-shift surveillances were not performed. This particular surveillance is a channel check of 1RIXPRO01C, Continuous Containment Purge Ventilation Radiation Monitor. On July 13, 1987, the reactor was in Mode 1 at 55% reactor power. On July 23, 1987, the reactor was in Mode 1 at 45% power. The cause of these events is personnel error by failure to adhere to procedures. These events were evaluated and determined not to be safety significant. For the first event, a satisfactory surveillance had been performed before the violation was discovered. For the second event, the monitor initially failed the surveillance and satisfactorily passed the surveillance after some maintenance action was completed. These events are reportable in accordance with 10CFR50.73(a)(2)(i)(B) due to a violation of the Technical Specifications.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPROVED OMB NO 3150-0104  
EXPIRES 8/31/88

FACILITY NAME (1)  Clinton Power Station	DOCKET NUMBER (2)  0 5 0 0 0 4 6 1	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8 7	0 3 7	0 0	2	OF	0 4

TEXT (If more space is required, use additional NRC Form 308A's) (17)

DESCRIPTION OF EVENT

On July 13, 1987, at 0830 hours, with the Plant in Mode 1 (POWER OPERATION), at 55% Reactor Power, a review of the Radiation Protection Shift Supervisor's (RPSS) log for July 12, 1987, determined that the 0800-1600 and 1600-2400 Technical Specification Section 4.3.2.1 Surveillances of IRIXPR001C, Continuous Containment Purge Ventilation Radiation Monitor [IL], had not been performed. The last satisfactorily completed surveillance was performed at 0400, July 12, 1987. The 0800-1600 RP technician had attempted to conduct the surveillance from the computer control terminal (CCT). Due to intermittent communications problems between the monitor [MON] and the CCT, the technician was unable to satisfactorily perform the surveillance. The surveillance procedure did not allow the technician to complete the surveillance locally at the monitor. The technician failed to inform the RPSS of the inability to complete the surveillance. A note was entered on the data sheet indicating that the surveillance results were "N/A" due to intermittent communications problems. The 1600-2400 technician noticed the previous "N/A" and note on the surveillance data sheet and entered the same information. Since a satisfactory surveillance was performed at 0200, July 13, 1987, the ACTION statement per Specification 3.3.2.1.c was not entered at the time this condition was identified. Condition Report 1-87-07-059 documents the missed surveillances.

On July 24, 1987, at 0105 hours, with the Plant in Mode 1, a second violation was discovered. The July 23, 1987, 0000-0800 RP personnel performed the surveillance on IRIXPR001C satisfactorily at 0100 hours. Again, the 0800-1600 and 1600-2400 RP technicians noticed intermittent communications problems between the monitor and CCT and again the technicians entered "N/A" on the surveillance data sheet and made a note of the intermittent communications problems. Neither technician referred to the surveillance procedure which now allowed local completion of the surveillance. The 0800-1600 technician did report his inability to complete the surveillance to the RPSS. The 1600-2400 technician did not report his inability to complete the surveillance to the RPSS. At approximately 2230 on July 23, 1987, with the Assistant Shift-Supervisor's permission, Control and Instrumentation (C&I) technicians, working under Maintenance Work Request (MWR) C32905, turned off the monitor to replace a card. At 2300, the monitor was turned back on. However, the C&I personnel did not inform the RPSS and the monitor's parameters were not reinitialized. As such, when the 0000-0800 July 24, 1987, RP technician attempted to perform the surveillance, it failed. The Shift Supervisor was notified, and at 0105 July 24, 1987, the monitor was declared inoperable. At this time, it was noted that the surveillance had not been performed for the previous two shifts. Condition Report 1-87-07-095 was initiated. The monitor was reinitialized and the surveillance was performed satisfactorily. The monitor was declared operable at 0207 July 24, 1987, upon the satisfactory completion of the surveillance.

No other equipment or components were inoperable at the time of this event which contributed to this event.



## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

APPLICABLE DMB NO. 3150-0104

EXPIRES 8/31/88

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TEXT (If more space is required, use additional NRC Form 365A's) (17)

CAUSE OF EVENT

The cause of these events is personnel error by failure to properly adhere to procedures. For the July 12, 1987, event, both the 0000-0800 and 0800-1600 RPSSs were aware that the monitor was operable but that it had intermittent communications problems and that MWR C32905 had been initiated to troubleshoot the problem. Both the 0800-1600 and 1600-2400 RP technicians failed to properly adhere to the surveillance procedure by not informing the RPSS of the inability to complete the surveillance. This led to the failure to enter the ACTION statement per Specification 3.3.2.1.c.

For the July 23, 1987, event, both the RP technicians failed to properly perform the surveillance procedure by completing the surveillance locally at the monitor. The 1600-2400 technician failed to report it to the RPSS. The 0800-1600 RPSS failed to recognize that the incomplete surveillance could be a Technical Specification violation. Once the problem was identified by the 0000-0800 July 24 shift personnel, the Shift Supervisor failed to enter ACTION statement per Specification 3.3.2.1.c when the monitor was declared inoperable.

CORRECTIVE ACTION

Monitor operability was verified for both events by checking the AR/PR system computer history for the time periods in question. All Radiation Protection Shift Supervisors and Shift Personnel were trained on Technical Specification surveillance requirements for the AR/PR system and on procedure adherence. Completion of MWR C32905 will resolve the intermittent communications problems. The surveillance procedure was revised on 7/13/87 to allow for completion of the surveillance locally at the monitor or remotely with the CCT.

Prior to this event, an audit (Q38-87-29) was conducted by the Illinois Power (IP) Quality Assurance Department of the IP Radiation Protection Department in the area of Radiological Operations and Radiological Support. The results of this audit identified weaknesses in the areas of procedural compliance, formal and professional approach to job performance, and supervisory involvement and review. Although aggressive action was being taken by Illinois Power to address and correct the identified deficient conditions, not all of the audit findings had been addressed at the time of this event. The corrective action now being taken to address these audit findings will provide improved personnel performance in these deficient areas. It is believed that this improved personnel performance and attention to detail, coupled with the corrective action described above, will preclude recurrence of this and similar LER events.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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TEXT (If more space is required, use additional NRC Form 305A s/ (17))

ANALYSIS OF EVENT

These events are reportable under the provisions of 10CFR50.73(a)(2)(i)(B) due to a violation of the Technical Specifications.

These events were evaluated and determined not to be safety significant. For the first event, a satisfactory surveillance had been performed before the violation was discovered. A review of the computer history verified the monitor had remained operable throughout the time period that the surveillance was not performed. For the second event, the monitor initially failed the surveillance and satisfactorily passed the surveillance after some maintenance action was completed. A review of the computer history verified the monitor had remained operable throughout the time period that the surveillance was not performed up until the time it was turned off by the maintenance technician. Communications between the monitor and the CCT are not required for the monitor to perform its Technical Specification function.

Duration of the violation for the first event was approximately 22 hours and duration of the violation for the second event was approximately 25 hours.

ADDITIONAL INFORMATION

LER 87-008-00 discussed a violation of the Plant's Technical Specifications due to a procedure deficiency, in that the surveillance procedure identified the incorrect containment pressure instrumentation on which shiftly channel checks were to be performed.

LER 87-033-00 discusses a violation of the Plant's Technical Specifications resulting from a deficient valve lineup procedure and inadequate programmatic controls to ensure that valve lineups are verified to the latest revision of valve lineup procedures.

LER 87-038-00 discussed a violation of the Plant's Technical Specifications due to a procedure deficiency, in that a detector chamber pressure correction factor had been improperly applied in the equation used to calculate the calibration constant in three Clinton Power Station procedures for calibrating noble gas channels on gaseous effluent monitors.

For further information regarding this event, contact D. W. Hillyer, Director - Plant Radiation Protection at (217) 935-8881, Ext. 3233.

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ILLINOIS POWER COMPANY



CLINTON POWER STATION, P.O. BOX 678, CLINTON, ILLINOIS 61727

August 12, 1987

10CFR50.73

Docket No. 50-461

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

Subject: Clinton Power Station - Unit 1  
Licensee Event Report No. 87-037-00

Dear Sir:

Please find enclosed Licensee Event Report No. 87-037-00:  
Violation of the Plant's Technical Specifications Due to Utility  
Personnel Error. This report is being submitted in accordance with the  
requirements of 10CFR50.73.

Sincerely yours,

F. A. Spangenberg, III  
Manager - Licensing and Safety

RLC/krm

Enclosure

cc: NRC Resident Office  
NRC Region III, Regional Administrator  
INPO Records Center  
Illinois Department of Nuclear Safety  
NRC Clinton Licensing Project Manager

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