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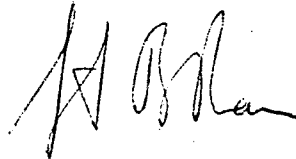
October 22, 1993

Re: Indian Point Unit No. 2  
Docket No. 50-247  
LER 93-13-00

Document Control Desk  
US Nuclear Regulatory Commission  
Mail Station P1-137  
Washington, DC 20555

The attached Licensee Event Report LER 93-13-00 is hereby  
submitted in accordance with the requirements of 10 CFR 50.73.

Very truly yours,



Attachment

cc: Mr. Thomas T. Martin  
Regional Administrator - Region I  
US Nuclear Regulatory Commission  
475 Allendale Road  
King of Prussia, PA 19406

Mr. Francis J. Williams, Jr., Project Manager  
Project Directorate I-1  
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US Nuclear Regulatory Commission  
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Washington, DC 20555

Senior Resident Inspector  
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PO Box 38  
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## 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 RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) Indian Point Unit No. 2 DOCKET NUMBER (2) 0 5 0 0 0 2 4 7 1 OF 0 4 PAGE (3)

TITLE (4)

Missed Source Checks for Process Radiation Monitor R-50

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	2	2	9	3	9	3	0	1	3	0	5	0	0	0				
											0	5	0	0	0				

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)									
POWER LEVEL (10)	11 01 0	20.402(b)		20.405(c)		50.73(a)(2)(iv)		73.71(b)			
		20.405(a)(1)(i)		50.38(c)(1)		50.73(a)(2)(v)		73.71(c)			
		20.405(a)(1)(ii)		50.38(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)(ii)		50.73(a)(2)(viii)(A)					
		20.405(a)(1)(iv)		50.73(a)(2)(iii)		50.73(a)(2)(viii)(B)					
		20.405(a)(1)(v)		50.73(a)(2)(iii)		50.73(a)(2)(ix)					

## LICENSEE CONTACT FOR THIS LER (12)

NAME George Dahl, Engineer TELEPHONE NUMBER 9 1 4 7 3 4 - 5 1 8 6

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

## SUPPLEMENTAL REPORT EXPECTED (14)

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

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

On September 22, 1993, while the plant was at 100% power, plant personnel discovered that the monthly source check of the gas decay tank process radiation monitor (R-50) had not been performed the prior two months. This resulted from a data entry error to the computerized test database. Upon discovery, the source check, which is required by Technical Specification Table 4.10-4, was promptly performed. The test results were satisfactory. The test database was reviewed to verify that there were no similar errors, and changes were made to the test database to prevent a similar occurrence. The health and safety of the public were not affected due to the extended interval between tests.

LICENSEE EVENT REPORT (LER)  
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, 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)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Indian Point Unit No. 2	0   5   0   0   0   2   4   7	9   3	—   0   1   3	—   0   0	0   2	OF	0   4

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

## PLANT AND SYSTEM IDENTIFICATION:

Westinghouse 4-Loop Pressurized Water Reactor

## IDENTIFICATION OF OCCURRENCE:

Surveillance interval for the gas decay tank process radiation monitor R-50 source check exceeded.

## EVENT DATE:

September 22, 1993

## REPORT DUE DATE:

October 22, 1993

## REFERENCE:

Significant Occurrence Report (SOR) 93-489

## PAST SIMILAR OCCURRENCES:

LER 92-05, "Missed Surveillance Test for Instrument Channel Checks"  
(different root cause)

## DESCRIPTION OF OCCURRENCE:

On September 22, 1993, with reactor power at 100%, plant personnel determined that the surveillance interval for the monthly source check of the newly operational process radiation monitor R-50 on the gas decay tank had been exceeded twice. The source check is required by Technical Specification Table 4.10-4 and is included in test PT-M86. Upon discovery of the omission, the test was performed immediately.

## ANALYSIS OF OCCURRENCE:

Although the radiation monitor was not tested at the required frequency, the acceptance criteria were met when the test was performed. No adjustments, calibrations or repairs were required. Additionally, during the extended period between surveillances, the daily channel checks of the radiation monitor, which are also required by Technical Specification Table 4.10-4, were satisfactory. Therefore, there was no impact on the operability of the monitor during the extended interval between tests.

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TEXT CONTINUATION

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Indian Point Unit No. 2

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

## ANALYSIS OF OCCURRENCE: (continued)

The Test and Performance (T&P) section develops, revises and issues surveillance test procedures to various groups in the station who subsequently conduct the tests. Operations, Instrumentation and Controls, and the Test Group are the principal groups that perform the required tests. These groups schedule the tests using a weekly scheduling report issued by T&P. The report lists the tests needed to be performed during the next four weeks, and indicates the early start and scheduled completion dates for each test. Test procedures are normally issued two weeks before the early start date. The early and scheduled completion dates for each test is determined from the test frequency and is calculated by a computer program from the date the test was last performed. In order to calculate a scheduled completion date, a value other than "zero" must be entered in the "Frequency" field. Non-variable tests, both "active" and "inactive", have a value other than "zero" entered in the "Frequency" field. Until this occurrence, a "zero" had only been used for all tests with a variable frequency (performed only as-needed).

Radiation monitor R-50 was installed in 1992 as a replacement for an existing monitor, but it was not put into service until June of this year. Surveillance test PT-M86 for the new monitor had been an "inactive" test and was performed for the first time on June 25, 1993 after R-50 was made operational. Due to personnel error when the test was originally entered into the database last year, the "Frequency" field inadvertently contained a "zero" instead of the correct value of "31 days". When the test became "active" with a "zero" in the "Frequency" field, the computer did not calculate a scheduled completion date and the test did not appear on later scheduling reports.

## CAUSE OF OCCURRENCE:

T&P personnel had previously entered an incorrect value in the computer database program that calculates scheduled completion dates for tests.

## CORRECTIVE ACTIONS:

PT-M86 was performed on the day the missed tests were discovered. Also, all tests in the computer database were checked for the same or similar problems. All other tests, both "active" and "inactive", were found to have the correct frequency and were being scheduled in accordance with the requirements of the Technical Specifications.

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TEXT CONTINUATION

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YEAR	SEQUENTIAL NUMBER	REVISION NUMBER
93	013	00

Indian Point Unit No. 2

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TEXT (If more space is required, use additional NRC Form 368A's) (17)

## CORRECTIVE ACTIONS: (continued)

Although the normal process for test issuance and scheduling has been effective in the past, revisions have been made to the scheduling database and personnel instructed to avoid any similar occurrence in the future. These changes consist of the following:

1. The edit screen of the master test database was revised to prevent entry of a "zero" into the "Frequency" field and to prevent a default value of "zero" if a value is not entered in the field;
2. As a result of corrective action 1, variable frequency tests were changed from a frequency of "0" to "9999". Although this will result in a variable test being "scheduled" at a long-range future date, this will have no impact on the scheduling of variable tests since their frequency is established on an as-needed basis;
3. It was discovered that changes to the test database could be made from the master test database view screen. This feature was eliminated;
4. Although precluded by corrective action 1, redundancy was added so that in the event a "zero" is somehow entered in the "Frequency" field, the current date will be calculated as the scheduled completion date and the test will be placed on the overdue test report. This will serve to alert T&P to a potential problem within the computer database;
5. Access to the test edit screen was password-restricted to a limited number of T&P personnel. Personnel with access were instructed on correct data entry.

In addition to these corrective actions, T&P continually strives to incorporate additional measures to prevent and detect incorrect data entry and to enhance the overall effectiveness of the surveillance test program.