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ACCESSION NBR: 8707150491      DOC. DATE: 87/07/07      NOTARIZED: NO      DOCKET #  
 FACIL: 50-387 Susquehanna Steam Electric Station, Unit 1, Pennsylv      05000387  
 AUTH. NAME      AUTHOR AFFILIATION  
 HIRT, J. A.      Pennsylvania Power & Light Co.  
 BYRAM, R. G.      Pennsylvania Power & Light Co.  
 RECIP. NAME      RECIPIENT AFFILIATION

SUBJECT: LER 87-005-01: on 870212, isotopic analysis for iodine not performed within time required per Tech Spec 3.4.5 after reactor power reduced to 65%. Caused by personnel error. Administrative changes implemented. W/870707 ltr.

DISTRIBUTION CODE: IE22D      COPIES RECEIVED: LTR 1 ENCL 1      SIZE: 4  
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES: 1cy NMSS/FCAF/PM.      LPDR 2cys Transcripts.      05000387

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	PD1-2 LA	1 1	PD1-2 PD	1 1
	THADANI, M	1 1		
INTERNAL:	ACRS MICHELSON	1 1	ACRS MOELLER	2 2
	AEOD/DOA	1 1	AEOD/DSP/ROAB	2 2
	AEOD/DSP/TPAB	1 1	DEDRO	1 1
	NRR/DEST/ADE	1 0	NRR/DEST/ADS	1 0
	NRR/DEST/CEB	1 1	NRR/DEST/ELB	1 1
	NRR/DEST/ICSB	1 1	NRR/DEST/MEB	1 1
	NRR/DEST/MTB	1 1	NRR/DEST/PSB	1 1
	NRR/DEST/RSB	1 1	NRR/DEST/SGB	1 1
	NRR/DLPQ/HFB	1 1	NRR/DLPQ/QAB	1 1
	NRR/DOEA/EAB	1 1	NRR/DREP/RAB	1 1
	NRR/DREP/RPB	2 2	NRR/PMAS/ILRB	1 1
	NRR/PMAS/PTSB	1 1	<del>REG FILE</del> 02	1 1
	RES DEPY GI	1 1	RES TELFORD, J	1 1
	RES/DE/EIB	1 1	RGN1 FILE 01	1 1
EXTERNAL:	EG&G GROH, M	5 5	H ST LOBBY WARD	1 1
	LPDR	2 2	NRC PDR	1 1
	NSIC HARRIS, J	1 1	NSIC MAYS, G	1 1
NOTES:		3 3		

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) <b>Susquehanna Steam Electric Station - Unit One</b>	DOCKET NUMBER (2) <b>0 5 0 0 0 3 8 7</b>	PAGE (3) <b>1 OF 0 3</b>
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TITLE (4)  
**Due to An Operator Error, Iodine Sampling Was Conducted Approximately 2½ Hours Late Following a Power Change >15%/Hr.**

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 2	1 2	8 7	8 7	0 0 5	0 1	0 7	0 7	8 7			0 5 0 0 0																																	
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">OPERATING MODE (9) <b>1</b></td> <td colspan="10">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11):</td> </tr> <tr> <td rowspan="6">POWER LEVEL (10) <b>0 1 6 1 5</b></td> <td><input type="checkbox"/> 20.402(b)</td> <td><input type="checkbox"/> 20.405(e)</td> <td><input type="checkbox"/> 50.73(a)(2)(iv)</td> <td><input type="checkbox"/> 73.71(b)</td> </tr> <tr> <td><input type="checkbox"/> 20.405(a)(1)(ii)</td> <td><input type="checkbox"/> 50.38(c)(1)</td> <td><input type="checkbox"/> 50.73(a)(2)(v)</td> <td><input type="checkbox"/> 73.71(c)</td> </tr> <tr> <td><input type="checkbox"/> 20.405(a)(1)(iii)</td> <td><input type="checkbox"/> 50.38(c)(2)</td> <td><input type="checkbox"/> 50.73(a)(2)(vii)</td> <td rowspan="4">OTHER (Specify in Abstract below and in Text, NRC Form 365A)</td> </tr> <tr> <td><input type="checkbox"/> 20.405(a)(1)(iii)</td> <td><input checked="" type="checkbox"/> 50.73(a)(2)(i)</td> <td><input type="checkbox"/> 50.73(a)(2)(viii)(A)</td> </tr> <tr> <td><input type="checkbox"/> 20.405(a)(1)(iv)</td> <td><input type="checkbox"/> 50.73(a)(2)(ii)</td> <td><input type="checkbox"/> 50.73(a)(2)(viii)(B)</td> </tr> <tr> <td><input type="checkbox"/> 20.405(a)(1)(v)</td> <td><input type="checkbox"/> 50.73(a)(2)(iii)</td> <td><input type="checkbox"/> 50.73(a)(2)(ix)</td> </tr> </table>												OPERATING MODE (9) <b>1</b>	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11):										POWER LEVEL (10) <b>0 1 6 1 5</b>	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.405(e)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)	<input type="checkbox"/> 20.405(a)(1)(ii)	<input type="checkbox"/> 50.38(c)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)	<input type="checkbox"/> 20.405(a)(1)(iii)	<input type="checkbox"/> 50.38(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 365A)	<input type="checkbox"/> 20.405(a)(1)(iii)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)	<input type="checkbox"/> 20.405(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	<input type="checkbox"/> 20.405(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)
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LICENSEE CONTACT FOR THIS LER (12)

NAME <b>Jeffrey A. Hirt, Engineer Level II</b>	TELEPHONE NUMBER
	AREA CODE <b>7 1 7</b> <b>5 4 2</b> - <b>3 9 1 7</b>

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)     NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

On February 12, 1987, reactor power was reduced from approximately 94% to roughly 65% between the hours of 0015 and 0106 in order to complete a control rod sequence exchange and recirculation pump motor-generator brush change out. Technical Specification 3.4.5 requires that in condition 1 with a power change of more than 15% rated thermal power that an isotopic analysis for iodine be performed between 2 and 6 hours following the power change. Due to a cognitive error on part of an operator, this sample was not completed until 0945 hours which is approximately 2 1/2 hours late. Sample results showed no abnormal levels of iodine.

This event has been reviewed with operations personnel. In addition, administrative changes have been implemented which require an operator to determine whether a 15% change of power occurred each hour and to record the hourly change in power. Should a 15% change of power occur within an hour, the operator is instructed to notify chemistry personnel, so that sampling is initiated.

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PDR ADOCK 05000387  
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Susquehanna Steam Electric Station Unit One	DOCKET NUMBER (2) 0 5 0 0 0 3 8 7	LER NUMBER (6)			PAGE (3)		
		YEAR 8 7	SEQUENTIAL NUMBER - 0 0 5	REVISION NUMBER - 0 1			
					0 2	OF 0 3	

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

EVENT DESCRIPTION

On February 12, 1987, reactor power was reduced from approximately 94% to roughly 65% between the hours of 0015 and 0106 in order to complete a control rod sequence exchange and recirculation pump motor-generator brush change out. Technical Specification 3.4.5 requires that in condition 1 with a power change of more than 15% rated thermal power that an isotopic analysis for iodine be performed between 2 and 6 hours following the power change. Due to a cognitive error on part of an operator (licensed, utility) this sample was not completed until 0945 hours which is approximately 2 1/2 hours late. Sample results showed that dose equivalent iodine level were below the Technical Specification Limit.

CAUSE/CORRECTIVE ACTION

This missed sample occurred due to an operator failing to notify chemistry personnel that a power change, greater than 15% rated thermal power, occurred and that an isotopic analysis for iodine was needed. Procedures in place at the time required such a notification to be made.

This event has been reviewed with operations personnel. In addition, administrative changes have been implemented which require an operator to determine whether a 15% change of power occurred each hour and to record the hourly change in power. Should a 15% change of power occur within an hour, the operator is instructed to notify chemistry personnel, so that sampling is initiated.

ANALYSIS OF EVENT

Upon discovery of the missed sample chemistry personnel were notified to perform an isotopic analysis for iodine. Sample results showed no abnormal levels of iodine. All values were below Technical Specification limits.

SIMILAR OCCURRENCES

Two Licensee Event Reports, LER 84-041-0 and 84-049-0, have been filed with the Commission which describe past similar occurrences of Operations personnel failing to notify Chemistry personnel to initiate Technical Specification required sampling. The later report, LER 84-049-0, concerns a December 14, 1984, missed sample of the suppression chamber prior to purging. Following the discovery of the missed sample, Shift Supervision counselled the responsible individuals who overlooked the sampling requirement. In addition, the event was reviewed by Operations Supervisory personnel. LER 84-041-0 details instances when four samples were missed following power changes of more than 15% per hour. Two of the missed samples should have been taken on September 9, 1984. The samples were taken a day later after a Senior Chemist discovered the error. The other two samples should have been taken on April 14 and 29, 1984. These missed samples were discovered during the course of a September 1984, Nuclear Quality Assurance Audit. Corrective actions included revising the governing General Operating procedures and issuance of a letter from the Chemistry Supervisor to the Operations Supervisor regarding the

LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) Susquehanna Steam Electric Station Unit One	DOCKET NUMBER (2) 0   5   0   0   0   3   8   7	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8   7	0   0   5	0   1	0   3	OF	0   3

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

importance of proper Chemistry notification when power is changed by more than 15% in one hour.

As part of an effort to improve the communications between the Chemistry and Operations groups. Chemistry management directed that a Chemistry technician attend the Shift Turnover meetings. It was because of this corrective action that the missed sample was discovered within 2 1/2 hours, approximately, after the expiration of the Technical Specification time limit, instead of the longer previous instances.



Pennsylvania Power & Light Company

P.O. Box 451 • Berwick, PA 18603-0451 • 717/542-2151

July 7, 1987

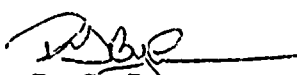
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SUSQUEHANNA STEAM ELECTRIC STATION  
LICENSEE EVENT REPORT 87-005-01  
FILE R41-2  
PLAS - 266

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Docket No. 50-387  
License No. NPF-14

Attached is Licensee Event Report (LER) 87-005-01 which is an update to LER 87-005-00 filed on March 13, 1987. This event was determined reportable per 10CFR50.73 (a) (2) (i), in that due to a cognitive operator error iodine sampling was not performed within the Technical Specification prescribed time limited.

  
R. G. Byram  
Superintendent of Plant - Susquehanna

JAH/cmw

cc: Mr. William T. Russell  
Regional Administrator, Region I  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

Mr. Loren Plisco  
Resident Inspector  
U.S Nuclear Regulatory Commission  
P.O. Box 52  
Shickshinny, PA 18655

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