



Nuclear Group
P.O. Box 4
Shippingport, PA 15077-0004

Telephone (412) 393-6000

November 26, 1990
ND3MNO:3066

Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
LER 90-017-00

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Gentlemen:

In accordance with Appendix A, Beaver Valley Technical Specifications, the following Licensee Event Report is submitted:

LER 90-017-00, 10 CFR 50.73.a.2.iv, "ESF Actuation - Radiation Monitor Alarm Causes Auxiliary Building Ventilation Realignment".

Very truly yours,

T. P. Noonan
General Manager
Nuclear Operations

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Attachment

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PDR ADDCK 05000334
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cc: Mr. T. T. Martin, Regional Administrator
United States Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia, PA 19406

C. A. Roteck, Ohio Edison
76 S. Main Street
Akron, OH 44308

Mr. A. DeAgazio, BVPS Licensing Project Manager
United States Nuclear Regulatory Commission
Washington, DC 20555

J. Beall, Nuclear Regulatory Commission,
BVPS Senior Resident Inspector

Larry Beck
Cleveland Electric
6200 Oak Tree Blvd.
Independence, Ohio 44101

INPO Records Center
Suite 1500
1100 Circle 75 Parkway
Atlanta, GA 30339

G. E. Muckle,
Factory Mutual Engineering
680 Anderson Drive #BLD10
Pittsburgh, PA 15220-2773

Mr. J. N. Steinmetz, Operating Plant Projects Manager
Mid Atlantic Area
Westinghouse Electric Corporation
Energy Systems Service Division
Box 355
Pittsburgh, PA 15230

Mr. Richard Janati
Department of Environmental Resources
P. O. Box 2063
16th Floor, Fulton Building
Harrisburg, PA 17120

Director, Safety Evaluation & Control
Virginia Electric & Power Co.
P.O. Box 26666
One James River Plaza
Richmond, VA 23261

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W. Hartley
Management Analysis Company
112671 High Bluff Drive
San Diego, CA 92130-2025

J. M. Riddle
NUS Operating Service Corporation
Park West II
Cliff Mine Road
Pittsburgh, PA 15275

LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 60.0 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)
Beaver Valley Power Station Unit 1

DOCKET NUMBER (2)
0 5 0 0 0 3 3 4 1 OF 0 3
PAGE (3)

TITLE (4)
ESF Actuation - Radiation Monitor Alarm Causes Auxiliary Building Ventilation Realignment

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES IN... (8)			
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)	
1	0	27	90	0	17	0	0	11	2	6	9	0
									N/A		0 5 0 0 0	
											0 5 0 0 0	

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

LICENSEE CONTACT FOR THIS LER (12)
NAME: T.P. Noonan, General Manager Nuclear Operations
TELEPHONE NUMBER: 4 1 2 6 4 3 - 1 2 5 8

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs	
X	I	L	M	O	N	X	X	X	X	N

SUPPLEMENTAL REPORT EXPECTED (14)
YES (If yes, complete EXPECTED SUBMISSION DATE.) NO X
EXPECTED SUBMISSION DATE (15)
MONTH: DAY: YEAR:

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

On 10/27/90 at 0650 hours, with the Unit in Power Operation (Operating Mode 1) at 100% reactor power, a high-high radiation alarm was received on the Train "A" Auxiliary Building Ventilation Exhaust Radiation Monitor, RM-VS-102A. This high-high alarm caused the Train "A" Auxiliary Building Ventilation Exhaust Fan to trip and the ventilation exhaust to be aligned to the "B" Main Filter Bank of the Supplementary Leak Collection and Release System (SLCRS). This ventilation realignment is an Engineered Safety Features (ESF) actuation and was reported to the Nuclear Regulatory Commission in accordance with 10CFR50.72.b.2.ii at 0937 hours. The cause for this event could not be determined. Radiation Control personnel performed Auxiliary Building surveys, with no unusual radioactivity present. Local Continuous Area Monitors showed no significant increases. The Train "A" Auxiliary Building Ventilation Exhaust was restarted at 0930 hours. There were safety implications to the public as a result of this event. There were no radioactive releases. The ventilation system realigned as designed upon receipt of a high-high radiation alarm to divert the normal ventilation exhaust to the Supplementary Leak Collection and Release System.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 500 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (F-630), 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) Beaver Valley Power Station Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 3 4	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9 0	0 1 7	0 0	0 2	OF	0 3

TEXT (If more space is required, use additional NRC Form 306A's) (17)

DESCRIPTION OF EVENT

On 10/27/90 at 0650 hours, with the Unit in Power Operation (Operating Mode 1) at 100% reactor power, a high-high radiation alarm was received on the Train "A" Auxiliary Building Ventilation Exhaust Radiation Monitor, RM-VS-102A. This high-high alarm caused the Train "A" Auxiliary Building Ventilation Exhaust Fan to trip and the ventilation exhaust to be aligned to the "B" Main Filter Bank of the Supplementary Leak Collection and Release System (SLCRS). The Auxiliary Building Radiation Monitors monitor the Auxiliary Building Ventilation. The Auxiliary Building ventilation exhaust is normally directed to atmosphere through the ventilation vent duct. An automatic ventilation realignment, to the Supplementary Leak Collection and Release System, is initiated in the event of high-high activity.

CAUSE OF THE EVENT

The cause for this event could not be determined. Radiation Control personnel performed surveys of the Auxiliary Building, with no unusual radioactivity present. Local Continuous Area Monitors showed no significant increases. It is suspected that the high-high alarm was spurious in nature.

CORRECTIVE ACTIONS

The following corrective actions have been taken in response to this event:

1. The Train "A" Auxiliary Building Ventilation Exhaust was restarted at 0930 hours on 10/27/90.
2. Monitored RM-VS-102A for abnormal activity for a period of twenty-four hours, however, no additional spikes were received. (Auxiliary Building Ventilation Exhaust remained aligned to the Supplementary Leak Collection and Release System)
3. The Auxiliary Building Ventilation Exhaust and the Supplementary Leak Collection and Release System were restored to normal system alignment at 0808 hours on 10/28/90.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST, 60.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (F-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): Beaver Valley Power Station Unit 1	DOCKET NUMBER (2): 0 5 0 0 0 3 3 4	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9 0	0 1 7	0 0	0 3	OF	0 3

TEXT: If more space is required, use additional NRC Form 306A's (17)

REPORTABILITY

This event was reported to the Nuclear Regulatory Commission in accordance with 10CFR50.72.b.2.ii, at 0937 hours on 10/27/90. This written report is being submitted in accordance with 10CFR50.73.a.2.iv, as an event involving and Engineered Safety Feature (ESF) System Actuation.

PREVIOUS OCCURRENCES

The following are previously reported events involving ESF actuation of the Supplementary Leak Collection and Release System due to radiation monitor spiking:

- LER 87-007-00 "Inadvertent Main Filter Bank Actuation During Radiation Monitor Recorder Maintenance".
- LER 87-019-00 "Radiation Monitor Failure Caused Main Filter Bank Ventilation Alignment".
- LER 87-020-00 "Energization and Calibration of Containment Purge Exhaust Monitor Results in ESF Actuations".
- LER 89-009-00 "Engineered Safety Features Actuation - Ventilation Realignment".

SAFETY IMPLICATIONS

There were no safety implications to the public as a result of this event. The Train "A" Auxiliary Building Ventilation Exhaust Fan tripped and the ventilation exhaust was aligned to the "B" Main Filter Bank of the Supplementary Leak Collection and Release System (SLCRS) as designed upon receipt of a high-high alarm on RM-VS-102A. Radiation Control personnel performed Auxiliary Building surveys, with no unusual radioactivity present. Local Continuous Area Monitors showed no significant increases. The operation of the Auxiliary Building Ventilation Exhaust System is discussed in the Updated Final Safety Analysis Report (UFSAR), Section 9.13.2 "Ventilation Systems - Auxiliary Building".