

Shippingport, PA 15077-0004

Telephone (412) 393-6000

May 24, 1989 ND3MNO:1892

Beaver Valley Power Station, Unit No. 2 Docket No. 50-412, License No. NPF-73 LER 89-010-00

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 89-010-00, 10 CFR 50.73.a.2.iv, "Containment Purge/Exhaust Ventilation Realignment - ESF Actuation".

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T. P. Noonan General Manager Nuclear Operations

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Attachment

May 24, 1989 ND3MNO:1892 Page two

cc: Mr. William T. Russell
Regional Administrator
United States Nuclear Regulatory Commission
Region 1
475 Allendale Road
King of Prussia, PA 19406

C. A. Roteck, Ohio Edison

Mr. Peter Tam, BVPS Licensing Project Manager United States Nuclear Regulatory Commission Washington, DC 20555 J. Beall, Nuclear Regulatory Commission, BVPS Senior Resident Inspector

CAPCO Nuclear Projects Coordinator Toledo Edison

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

G. E. Muckle, Factory Mutual Engineering, Pittsburgh

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

American Nuclear Insurers c/o Dottie Sherman, ANI Library The Exchange Suite 245 270 Farmington Avenue Farmington, CT 06032

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

NRC Form 306 9-83)	LI	CENSEE EVENT REF	PORT (LER)	U.S. NUCLEAR REG APPROVED EXPIRES 8	GULATORY COMMISSION DOMB NO. 3150-0104 3/31/88
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Description of Event

On 1/24/89, with the Unit in Refueling (Operating Mode 6) on the afternoon shift, decontamination efforts on the reactor cavity were in progress. Prior to this effort, the reactor cavity and transfer canal level had been lowered to below the transfer The spent fuel pool (SFP) isolation valve, 2ISC-102, canal. connecting the Fuel Building and Containment through the transfer canal, was closed. The Containment Purge and Exhaust Ventilation System was in service with the ventilation being directed to the Unfiltered Flowpath of the Supplementary Leak Collection and Release System. During the decontamination effort, at 1753 hours, a high alarm was received on the Containment Purge and Exhaust Radiation Monitor, 2HVR*RQ104A. This caused the isolation of the Containment Purge and Exhaust Ventilation System, by closing the Containment Purge Suuply Isolation Damper (2HVR*MOD25A), the Containment Purge Discharge Isolation Damper (2HVR*MOD23A), and tripping of the inservice Leak Collection Normal Exhaust Fan (2HVS-FN263B).

Cause of the Event

The cause for this event was due to mechanical binding of 2ISC-102. The valve was found to be partially open, creating localized flow turbulence within the reactor cavity. The flow turbulence, the result of the flow differential between the Fuel Building and Containment, caused increased airborne activity, which was sensed by 2HVR-RQ104A, initiating the ventilation isolation.

Corrective Actions

The following corrective actions have been taken as a result of this event:

- The operators verified that the ventilation automatic actions, isolation of ventilation by closure of Purge and Exhaust Supply and Discharge dampers (2HVR*MOD23A & 25A) and tripping of the Leak Collection Normal Exhaust Fan (2HVR-FN263B), occurred, as designed.
- 2. Radiation Control personnel were requested to survey the area to confirm the high activity and to ensure that adequate protective measures were in effect for personnel in the area.

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U.S. NUCLEAR REGULATORY COMMISSION

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

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3. The Spent Fuel Pool isolation valve, 2ISC-102 was fully closed. Maintenance investigated and found the packing follower overtightened. The follower was freed and the valve was adjusted.

Reportability

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This event was reported to the Nuclear Regulatory Commission at 2152 hours in accordance with 10CFR50.72.b.2.ii. This written report is being submitted in accordance with 10CFR50.73.a.2.iv, as an event involving an Engineered Safety Features (ESF) Actuation.

Safety Implications

There were no safety implications as a result of this event. Personnel in Containment were wearing respirators due to the expected activity from the decontamination effort. Radiation Control surveys of the area indicated no overexposures occurred. Precautionary body scanning of several involved individuals identified no personnel contamination.