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On 10/9/87, a special Fire Damper inspection was being conducted to obtain data for Beaver Valley's Engineering Department. During this investigation, two damper penetrations were found to be inoperable. These two dampers (VS-D-259 and 260), are located in duct work penetrating the ceiling of the Cable Tray Mezzanine. The Cable Tray Mezzanine is a safety-related area. Above the Cable Tray Mezzanine (where the duct work comes out) is the access area for the Primary Auxiliary Building. This access area is not a safety-related area. The two dampers and their associated duct work are located adjacent to one another and are similar in design and construction. The special inspection discovered that the joint between the duct work for each damper and the fire barrier the duct work penetrated (i.e., the Cable Tray Mezzanine ceiling) was not sealed. This deficiency was not obvious to normal visual inspection due to the location of the duct work. Due to the cable trays in the Mezzanine and the duct work itself, the actual fire barrier penetration could not be viewed from the Cable Tray Mezzanine. Above the fire barrier, in the Primary Auxiliary Building access area, the duct work for both fire dampers is encased in a cinder block wall. Access panels are provided through this wall, allowing damper inspection. The duct work/fire barrier joint cannot, however, be inspected through these access panels. This deficiency was not discovered until the inspection ceam managed to view the outside of the duct work through an opening in the floor of the Service Building. The Service Building is located directly above the Primary Auxiliary Building access area.

Once this deficiency was discovered, a once per hour fire tour of the Cable Tray Mezzanine was immediately initiated. A priority work request was also initiated to seal the duct work/fire barrier joint. In order to seal this joint, an access hole had to be made into the cinder block wall which encased the duct work in the Primary Auxiliary Building access area. Due to the delay caused by the necessity of making the access hole, the duct work/fire barrier joint was not sealed until 10/23/87.

The special Fire Damper inspection is ongoing. There are sixty-six fire dampers at the penetrations of safety-related fire barriers. Of these, twenty-four were installed subsequent to plant start-up (via design change). Verification exists that these twenty-four were properly installed. Of the remaining forty-two original safety-related fire dampers, thirty-one have been inspected. All, except for the two in this report, were installed correctly. The remaining eleven dampers are presently inaccessible, either due to location or due to plant operating conditions. These dampers will be inspected during the forthcoming Refueling Outage (December, 1987).



NRC.Form 788A (9-83)	LICENSEE EVENT REPORT (LER) TEXT CONTINUATION											ROVED	EGULATORY COMMISSI 0 OMB NO. 3150-0104 8/31/85					NC					
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There were no safety implications due to this event. On the one side of the affected fire barrier was the Primary Auxiliary Building access area. This access area is not safety-related. On the other side of the barrier is the Cable Tray Mezzanine, which is a safety-related area. However, as per Beaver Valley's Appendix R Review, even with a fire in the Cable Tray Mezzanine, the station would have maintained safe shutdown capability. Duquesne Light

Nuclear Division P.O. Box 4 Shippingport, PA 15077-0004 Telephone (412) 393-6000

November 9, 1987 ND3SPM:0075

Beaver Valley Power Station, Unit No. 1 Docket No. 50-334, License No. DPR-66 LER 87-017-00

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 87-017-00, 10 CFR 50.73.a.2.i.B, "Inoperable Fire Barriers".

Very truly yours,

Wm. S. Lacey Plant Manager

tlu

Attachment



November 9, 1987 ND3SPM:0075 Page two

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cc: Mr. William T. Russell Regional Administrator United States Nuclear Regulatory Commission Region 1 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

Mr. Alex Timme, 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

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