



Nuclear Division  
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June 20, 1984  
ND1SS1:2102

Beaver Valley Power Station, Unit No. 1  
Docket No. 50-334, License No. DPR-66  
Special Report  
Revision 1 to ND1SS1:2013

Dr. Thomas E. Murley  
Regional Administrator  
United States Nuclear Regulatory Commission  
Region 1  
Park Avenue  
King of Prussia, PA 19406

Gentlemen:

In accordance with Appendix A, Beaver Valley Technical Specification, 3.3.3.1, "Radiation Monitoring Instrumentation", the following revision to a Special Report (ND1SS1:2013, dated 2/24/84), is submitted. This report is required when the conditions specified in Technical Specification 3.3.1.1.6 are not satisfied.

On 2/15/84 at 1635 hours, Channels 7 and 9 of the Special Particulate, Iodine, Noble Gas (SPING) Monitor for radiation monitor (RM-VS-110) were declared out-of-service due to the constant receipt of high radiation alarms with normal activity present. This is non-conservative with respect to Technical Specification 3.3.3.1 and reportable per Technical Specification 3.3.3.1.b. These channels provide indication only and monitor the exhaust effluent activity of the Supplementary Leak Collection and Release System. Alternate preplanned sampling methods are in effect until these channels are returned to service. Investigations to determine the cause of the erroneous signals were conducted, but yielded no determination of the root cause. The vendor (Eberline Instrument Corporation) was contacted and was scheduled to visit the site on 3/1/84 to assist in the troubleshooting process and the restoration of these channels. An Eberline Instruments Service Engineer was brought in and found problems in the control terminal's software and the background channel parameter files. After manipulation of the bubble memory and re-editing the parameter files, channels 7 and 9 were returned to service. Written instructions on the parameter files were left by the Eberline Representative in the event that a future problem arises.

Very truly yours,

*Wm. S. Lacey*  
Wm. S. Lacey  
Station Superintendent

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