

# Duquesne Light Company

Beaver Valley Power Station  
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Vice President - Nuclear Group

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August 25, 1993  
NPD3SVP:7451

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
Washington, DC 20555

Subject: Beaver Valley Power Station, Unit No. 1 and No. 2  
BV-1 Docket No. 50-334, License No. DPR-66  
BV-2 Docket No. 50-412, License No. NPF-73  
Semi-Annual Radioactive Effluent Release Report For The First Six  
Months Of 1993

- Ref: 1) USNRC RG 1.21 Revision 1, June, 1974, Measuring, Evaluating,  
And Reporting Radioactivity In Solid Wastes And Releases Of  
Radioactive Materials In Liquid And Gaseous Effluents From  
Light-Water-Cooled Nuclear Power Plants
- 2) Beaver Valley Power Station Unit 1 And Unit 2 Technical  
Specifications 6.9.1.12 and 6.9.1.13, Semi-Annual  
Radioactive Effluent Release Report

Gentlemen:

The Semi-Annual Radioactive Effluent Release Report is hereby submitted in accordance with the requirements of Technical Specifications 6.9.1.12 and 6.9.1.13 for Beaver Valley Power Station Unit 1 license DPR-66 and Beaver Valley Power Station Unit 2 license NPF-73. This report contains the information required by USNRC Regulatory Guide 1.21 Revision 1 and the Technical Specifications.

This report is considered a single submittal for the two unit site. This report combines those sections that are common to both units at the site. However, where the two units have separate radwaste systems, the report does specify the releases of radioactive material from each unit. In reference to this, Unit 1 and Unit 2 have shared radwaste systems for gaseous elevated releases and for liquid releases. The report format is summarized on the index.

There was one abnormal gaseous release during the report period, it occurred on March 29, 1993. Although the release was unplanned, it was determined to be within the Radiological Effluent Technical Specification/ Offsite Dose Calculation Manual Release Limits, and no reportings were required per 10 CFR 50.72, 10 CFR 50.73, 10 CFR 20.403, 10 CFR 20.405, and 40 CFR 302.6. The release involved the loss of 262 cubic feet of gas from the Unit 1 Pressurizer Relief Tank to the Reactor Containment Building. This release occurred while performing a planned purge of the Unit 1 Reactor Containment atmosphere in preparation for Unit 1's 9th Refueling Outage. The unplanned discharge activity of 10.8 curies was comprised of 95% Xe-133 and 5% of Kr-85, Xe-131m, Xe-133m, Xe-135, and tritium.

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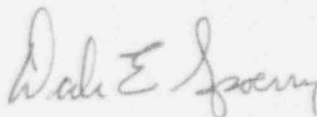

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There was one abnormal liquid release during the report period, it was discovered on January 8, 1993. Although the release was unplanned, it was determined to be within the Radiological Effluent Technical Specification/ Offsite Dose Calculation Manual Release Limits and no reporting was required per 10 CFR 50.72, 10 CFR 50.73, 10 CFR 20.403, 10 CFR 20.405, and 40 CFR 302.6. The release involved the discharge of 8580 gallons of water from the Unit 1 Controlled Area Janitor's Closet Sink to the Sewage Treatment Plant over a 16.5 year period. The discharge activity was comprised of 2.03 Curies of tritium and 0.000407 Curies of particulate activity. This event is documented in Beaver Valley Power Station Incident Report No. 1-93-003.

If there are any questions concerning this report, please contact  
Mr. A. T. Lonnett at 412-393-5860.

Sincerely,

  
  
J. D. Sieber  
Sr. Vice President -  
Chief Nuclear Officer

ATL/laf

cc: United States Nuclear Regulatory Commission  
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