

April 30, 2008

L-08-117

10CFR50.36a

ATTN: Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, DC 20555-0001

**SUBJECT:**

Davis-Besse Nuclear Power Station, Unit 1  
Docket Number 50-346, License Number NPF-3  
Combined Annual Radiological Environmental Operating Report and Radiological  
Effluent Release Report for the Davis-Besse Nuclear Power Station - 2007

In accordance with 10CFR50.36a(a)(2), this letter transmits the combined 2007 Annual Radiological Environmental Operating Report (AREOR) and Radiological Effluent Release Report (RERR) for the period January 2007 through December 2007. These annual reports are submitted for the Davis-Besse Nuclear Power Station (DBNPS). The AREOR and the RERR are submitted by April 30 of each year to satisfy the requirements of the DBNPS Technical Specifications 6.9.1.10 and 6.9.1.11.

The Attachment provides a listing of the specific requirements detailed in the DBNPS Offsite Dose Calculation Manual (ODCM) and the portion of the AREOR which was prepared to meet each requirement.

The following information is also provided only to the Document Control Desk. This information includes:

- RERR Meteorological Data (on Compact Disc), dated April 18, 2008
- Environmental, Inc. Midwest Laboratory, Monthly Progress Report for January through December 2007 (which contains the 2007 Radiological Environmental Monitoring Program Sample Analysis Results), dated February 13, 2008
- Davis-Besse ODCM, dated February 22, 2007

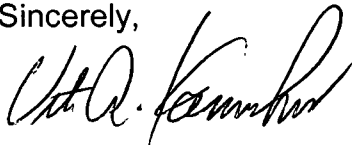
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There are no regulatory commitments contained in this letter. If there are any questions or if additional information is required, please contact Mr. Patrick J. McCloskey, Manager - Site Chemistry, at (419) 321-7274.

Sincerely,



Vito A. Kaminskas  
Director- Site Operations  
Davis-Besse Nuclear Power Station

JCS/AMP

Attachment: Summary Location(s) of Off-Site Dose Calculation Manual Requirements  
Contents in the Annual Radiological Environmental Operating Report

Enclosure: Annual Radiological Environmental Operating Report, including the  
Radiological Effluent Release Report for the Davis-Besse Nuclear Power  
Station - 2007

cc: Regional Administrator, NRC Region III  
DB-1 NRC Senior Resident Inspector  
DB-1 NRC/NRR Project Manager  
Chief, Division of Reactor Safety, Branch 6  
Utility Radiological Safety Board

**Summary Location(s) of Off-Site Dose Calculation Manual Requirements  
Contents in the Annual Radiological Environmental Operating Report**

Description of Requirement

- Summaries, interpretations, and analyses of trends of the radiological environmental surveillance activities, and an assessment of the observed impacts of the plant (pages 31 through 80 and Appendix E)
- Results of the Land Use Census (pages 110 through 115)
- Results of the analysis of radiological environmental samples and of environmental radiation measurements (Environmental, Inc. Midwest Laboratory, Monthly Progress Report for January through December 2007 (pages 26 through 80))
- Summary description of the radiological environmental monitoring program (also pages 26 through 80)
- At least two legible maps, covering sampling locations keyed to a table giving distances and directions from the centerline of one reactor (pages 40 through 77)
- The results of licensee participation in the Interlaboratory Comparison Program (Appendix A)
- Discussion of cases in which specimens were unobtainable due to hazardous conditions, seasonal unavailability, malfunction of automatic sampling equipment and other legitimate reasons (page 36)

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Enclosure

**Annual Radiological Environmental Operating Report, including the  
Radiological Effluent Release Report**

**for the**

**Davis-Besse Nuclear Power Station - 2007**

(1 Report follows)