

May 12, 2009

L-09-111

10 CFR 50.36a

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 - 2008

In accordance with 10 CFR 50.36a(a)(2), this letter transmits the combined 2008 Annual Radiological Environmental Operating Report (AREOR) and Radiological Effluent Release Report (RERR) for the period January 2008 through December 2008 (Enclosure 1) for the Davis-Besse Nuclear Power Station (DBNPS). The AREOR and the RERR must be submitted by May 15 of each year to satisfy the requirements of the DBNPS Technical Specifications 5.6.1 and 5.6.2.

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:

Enclosure 2 - 2008 RERR Meteorological Data (on Compact Disc)

Enclosure 3 - Environmental, Inc. Midwest Laboratory, Monthly Progress Report for January through December 2008 (which contains the 2008 Radiological Environmental Monitoring Program Sample Analysis Results), dated February 18, 2009

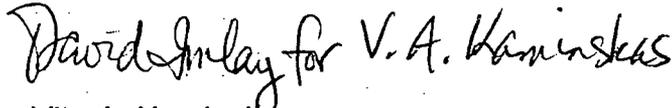
Enclosure 4 - Davis-Besse ODCM, Revision 22, dated September 3, 2008

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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 Ms. Polly Boissoneault, Manager - Site Chemistry, at (419) 321-8549.

Sincerely,



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

TSC/AMP

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

Enclosures:

- 1) Annual Radiological Environmental Operating Report, including the Radiological Effluent Release Report for the Davis-Besse Nuclear Power Station – 2008
- 2) 2008 RERR Meteorological Data (on Compact Disc)
- 3) Environmental, Inc. Midwest Laboratory, Monthly Progress Report for January through December 2008 (which contains the 2008 Radiological Environmental Monitoring Program Sample Analysis Results), dated February 18, 2009
- 4) Davis-Besse ODCM, Revision 22, dated September 3, 2008

cc: Regional Administrator, NRC Region III (W/O Enclosures 2-4)
DB-1 NRC Senior Resident Inspector (W/O Enclosures 2-4)
DB-1 NRC/NRR Project Manager (W/O Enclosures 2-4)
Chief, Division of Reactor Safety, Branch 6, NRC Region III (W/O Enclosures 2-4)
Utility Radiological Safety Board (W/O Enclosures 2-4)

**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 D)
- Results of the Land Use Census (pages 112 through 117)
- Results of the analysis of radiological environmental samples and of environmental radiation measurements (Environmental, Inc. Midwest Laboratory, Monthly Progress Report for January through December 2008 (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 collection of specimens had irregularities due to malfunction of automatic sampling equipment and other legitimate reasons (page 36)

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Enclosure 1

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

for the

Davis-Besse Nuclear Power Station - 2008

(1 Report follows)

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Enclosure 2

2008 RERR Meteorological Data on Compact Disc

for the

Davis-Besse Nuclear Power Station - 2008

(1 Compact Disc follows)

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Enclosure 3

**Environmental, Inc. Midwest Laboratory, Monthly Progress Report for
January through December 2008 (which contains the 2008 Radiological
Environmental Monitoring Program Sample Analysis Results), dated
February 18, 2009**

for the

Davis-Besse Nuclear Power Station - 2008

(1 Report follows)

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Enclosure 4

Davis-Besse ODCM, Revision 22, dated September 3, 2008

Report for the

Davis-Besse Nuclear Power Station - 2008

(1 Report follows)