

May 15, 2013

L-13-161

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 - 2012

In accordance with 10 CFR 50.36a(a)(2), this letter transmits the combined 2012 Annual Radiological Environmental Operating Report (AREOR) and Radiological Effluent Release Report (RERR) for the period January 2012 through December 2012. These annual reports are submitted 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:

- 2012 RERR Meteorological Data (on Compact Disc)
- Environmental, Inc. Midwest Laboratory, Monthly Progress Report for January through December 2012 (which contains the 2012 Radiological Environmental Monitoring Program Sample Analysis Results), dated February 15, 2012 (on Compact Disc)

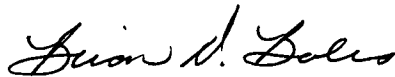
Additionally, corrections were recently identified for the 2010 and 2011 Annual Radiological Environmental Operating Reports, as identified in Condition Report 2013-05150. Specifically, on page 90, "Inoperable Radioactive Effluent Monitoring Equipment," corrections were made to radiation effluent monitors out of service time. Please replace the previous copy of the 2010 and 2011 Annual Radiological Environmental Operating Reports page with the enclosed corrected revision to the reports. The revision is indicated by a revision bar in the right hand margin.

IE25  
IE48  
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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. Alvin Dawson, Manager - Site Chemistry, at (419) 321-7374.

Sincerely,



Brian D. Boles  
Director- Site Operations  
Davis-Besse Nuclear Power Station

VAW/AMP

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

Enclosure A: Annual Radiological Environmental Operating Report, including the  
Radiological Effluent Release Report for the Davis-Besse Nuclear Power  
Station - 2012

Enclosure B: Annual Radiological Environmental Operating Report - 2011 Corrections

Enclosure C: Annual Radiological Environmental Operating Report - 2010 Corrections

cc: Regional Administrator, NRC Region III  
DB-1 NRC Senior Resident Inspector  
DB-1 NRC/NRR Project Manager  
Branch 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 79 and Appendix D)
- 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 2012 (pages 26 through 79))
- Summary description of the radiological environmental monitoring program (also pages 26 through 79)
- 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 76)
- The results of licensee participation in the Inter-laboratory 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)