

July 23, 2004

Mr. Mark B. Bezilla
Vice President-Nuclear, Davis-Besse
FirstEnergy Nuclear Operating Company
Davis-Besse Nuclear Power Station
5501 North State Route 2
Oak Harbor, OH 43449-9760

SUBJECT: DAVIS-BESSE NUCLEAR POWER STATION
ANNOUNCEMENT OF SPECIAL INSPECTION

Dear Mr. Bezilla:

As part of a Davis-Besse Lessons-Learned Task Force Recommendation [3.1.2(5)] commitment, NRC is in the process of issuing a temporary instruction (TI) to review licensee's continued actions in response to Generic Letter 89-13, "Service Water System Problems Affecting Safety-Related Equipment." The primary objective of the TI is to review licensees' activities in response to NRC generic communications. Additionally, this TI will gather information to help the NRC staff identify and shape possible future regulatory positions and enhance the agency operating experience program.

Davis-Besse was selected as one of the three sites in Region III at which this TI will be conducted. This inspection will occur during the week of October 4, 2004. This inspection will replace the biennial heat sink inspection that was previously scheduled for December 2004. In addition, other baseline inspection samples will be credited as completed based on completion of this TI.

In order to best accomplish the requirements of the TI within the short time frame allotted, to minimize the impact that the inspection has on the site and to ensure a productive inspection for both sides, we have enclosed a request for documents needed for the inspection. The documents have been divided into two groups. The first group lists information necessary in order to ensure the inspection team is adequately prepared for the inspection. This information should be available to the Regional Office, with a copy to the resident office, by no later than September 27, 2004. In so far as possible, this information should be provided electronically.

The second group of documents requested are those items which the team will review on site. During the preparation week, the lead inspector will coordinate with the technical or regulatory contact in regard to this group of documents. It is important that these documents be as complete as possible, in order to minimize the number of documents requested during the preparation week or during the onsite inspection.

The lead inspector for this inspection is Ms. Patricia Loughheed. If there are any questions about the material requested, or the inspection, please call the lead inspector at 630-829-9760 or e-mail her at vpl@nrc.gov.

In accordance with 10 CFR 2.390 of the NRC's "Rules of Practice," a copy of this letter and its enclosure will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Sincerely,

/RA by Julio Lara Acting for/

Anton Vegel, Chief
Systems Engineering Branch
Division of Reactor Safety

Docket No. 50-346
License No. NPF-3

Enclosure: Initial Document Request

cc w/encl: The Honorable Dennis Kucinich
G. Leidich, President - FENOC
J. Hagan, Senior Vice President
Engineering and Services, FENOC
L. Myers, Chief Operating Officer, FENOC
Plant Manager
Manager - Regulatory Affairs
M. O'Reilly, Attorney, FirstEnergy
Ohio State Liaison Officer
R. Owen, Administrator, Ohio Department of Health
Public Utilities Commission of Ohio
President, Board of County Commissioners
of Lucas County
C. Koebel, President, Ottawa County Board of Commissioners
D. Lochbaum, Union Of Concerned Scientists
J. Riccio, Greenpeace
P. Gunter, N.I.R.S.

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Public Utilities Commission of Ohio
President, Board of County Commissioners
of Lucas County
C. Koebel, President, Ottawa County Board of Commissioners
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Initial Document Request

I. Information Requested Expeditiously

The following information is requested to be provided as soon as possible, but no later than September 27, 2004. In so far as possible, information should be provided electronically.

1. A copy of the service water system description;
2. Two copies of the piping and instrument drawings (Flow Diagrams) for the above system;
3. A copy of the Generic Letter 89-13 implementation procedure;
4. A list of permanent or temporary plant modifications, including setpoint changes, implemented on the above system during the last two operating cycles;
5. A list of operating experience documents applicable to the above system and evaluated during the last two operating cycles;
6. A list of service water system modifications, either permanent or temporary, going far enough back that three modifications can be reviewed;
7. Information on the heat exchangers tested (inspected and cleaned) under Generic Letter 89-13, and the dates testing (inspection and cleaning) was last performed;
8. A list of corrective action documents pertaining to the above system, heat exchangers, heat sinks, or operating experience for the last two operating cycles;
9. The name and phone numbers of the technical contact;

II. Information Requested to be Available on First Day of Inspection

We request that the following information be available to the team once it arrives onsite. In some cases, it may be acceptable to have the information available electronically, provided the inspectors have access to it.

1. A copy of the service water system operator logs for a minimum of two operating cycles;
2. A copy of the service water system maintenance rule system health reports plant or system engineering reports for a minimum of two operating cycles;
3. A copy of any operability determinations related to the service water system for a minimum of two operating cycles;

4. A copy of the document which describes the implementation of any periodic inspection program to detect flow blockages from biofouling in other open circuit water systems (such as normal service water or fire water);
5. A copy of the document which describes the program for open-cycle service water system piping and components that ensures corrosion, erosion, protective coating failure, silting and biofouling cannot degrade the performance of the safety-related systems supplied by SW;
6. A copy of the document which describes the maintenance program that removes excessive accumulations of biofouling agents, corrosion products, and silt;
7. A copy of the maintenance history of the service water system for the last two operating cycles. Information should be provided to clearly indicate whether the maintenance was corrective or predictive and whether the maintenance was actually accomplished;
8. A copy of the service water heat exchanger testing procedure(s);
9. A summary of the service water heat exchanger test results over the last two operating cycles;
10. A copy of the latest flow balance surveillance test, including results;
11. A copy of any trending information for the service water system(s);
12. A copy of the document(s) which demonstrate(s) that service water surveillance test acceptance criteria are consistent with the design basis;
13. A copy of the document which describes the effectiveness of any design features installed to minimize silting and biofouling of piping and components;
14. A copy of the document which describes the features installed to provide timely detection of flow degradation in the service water system;
15. A copy of the document which demonstrates that pump run-out conditions are not present with the minimum number of pumps operating with worst case alignment of non-safety-related loads;
16. A copy of the service water system alarm setpoints and the underlying calculations demonstrating the acceptability of those setpoints. This includes alarm setpoints on systems or components cooled by the service water system and whose actuation could indicate problems with the service water system;
17. A copy of the alarm response and normal, abnormal, and emergency system operating procedures for the service water system, including those procedures which would provide indication of service water problems due to changing conditions in systems or components cooled by the service water system;
18. A copy of any procedures for dealing with abnormal events which could affect operation of the service water system. Examples are high ultimate heat sink

temperatures, ice formation, low ultimate heat sink level, loss of a downstream dam, or seismic events;

19. A copy of the procedure(s) for verifying periodic and post-maintenance alignments of valves in the service water system, especially those valves that isolate flow to safety-related components;
20. A copy of the document which describes how normal service water system operation valve alignments are controlled;
21. A copy of the document which describes how service water system throttle valve positions are verified;
22. A copy of the document which describes control of service water system heat exchanger flow variations due to changing climate (temperature) conditions;
23. A copy of the document which describes the indication available to operate the service water system equipment in accordance with the applicable operating procedures and instructions;
24. A copy of the document which demonstrates that the service water system indications relied upon are calibrated to the accuracy assumed in the design basis;
25. A copy of the document which demonstrates that service water system equipment relied upon during adverse conditions is qualified for those conditions;
26. A copy of the document which demonstrates that any service water system manual actions relied upon during adverse conditions can be performed under those conditions (i.e., that areas are accessible and that there is adequate lighting and support equipment);
27. A copy of operator and maintenance personnel lesson plans (including any simulator scenarios) involving the service water system;
28. A copy of the vendor manuals for the major service water system components, including heat exchangers cooled by service water;
29. A copy of any inservice testing information for the applicable components in the service water system;
30. A copy of all post-maintenance tests performed on the service water system over the last two operating cycles;
31. A copy of the procedure which addresses handling of operating experience review; and
32. A copy of any documents generated as a result of reactor operating experience which applies to the service water system.