

June 6,2006

Mr. Dennis L. Koehl
Site Vice President
Point Beach Nuclear Plant
Nuclear Management Company, LLC
6590 Nuclear Road
Two Rivers, WI 54241-9516

SUBJECT: **POINT BEACH NUCLEAR PLANT, UNITS 1 AND 2 - INFORMATION REQUEST FOR AN NRC BIENNIAL BASELINE COMPONENT DESIGN BASES INSPECTION (CDBI) 05000266/2006006 (DRS); 05000301/2006006 (DRS)**

Dear Mr. Koehl:

On August 14, 2006, the NRC will begin a biennial baseline Component Design Bases Inspection (CDBI) at the **Point Beach Nuclear Power Plant**. A team of seven inspectors will perform this 4-week inspection. This inspection will be performed in accordance with revised NRC Baseline Inspection Procedure (IP) 71111.21 and replaces the biennial Safety System Design and Performance Capability inspection.

The CDBI inspection focuses on components which have high risk and low design margins. The components to be reviewed during this baseline inspection will be identified during an in-office preparation week prior to the first week of on-site inspection. In addition, a number of risk significant operator actions and operating experience issues, associated with the component samples, will also be selected for review.

The inspection will include 4 weeks of on-site inspection. This will include one to two weeks of on-site information gathering. The inspection team will consist of six NRC inspectors, of which five will focus on engineering and one on operations. The current inspection schedule is as follows:

- On-site weeks: August 14, 2006, August 28, 2006, September 11, 2006, and September 25.

The team will be preparing for the inspection mainly during the weeks of August 14 and 21, 2006, as discussed in the attached enclosure. A Region III Senior Reactor Analyst will accompany the inspection team during the week of August 14, 2006, to review probabilistic risk assessment data and assist in identifying risk significant components, which will be reviewed during the inspection.

Experience with previous baseline design inspections of similar depth and length has shown that these type of inspections are extremely resource intensive, both for the NRC inspectors and the licensee staff. In order to minimize the inspection impact on the site and to ensure a productive inspection for both parties, we have enclosed a request for information needed for the inspection.

It is important that all of these documents are up to date and complete in order to minimize the number of additional documents requested during the preparation and/or the on-site portions of the inspection. The information request has been divided as follows:

The first group lists information necessary for a productive inspection preparation. This information should be available to the Regional Office by no later than July 28, 2006, or sooner. The second group of documents requested are those items necessary for the team's in-office (August 21, 2006) preparation activities. During the in-office preparation week, the team may identify additional information needed. This information should be available by August 28, 2006 (on-site week). The last group lists information necessary to aid the inspection team in tracking issues identified as a result of the inspection. It is requested that this information be provided to the lead inspector as the information is generated during the inspection.

The lead inspector for this inspection is Mr. Robert Daley. We understand that our regulatory affairs contact for this inspection is Ms. Fritzi Flenji of your organization. In order to facilitate the inspection, we request that a contact individual be assigned to each inspector to ensure information requests, questions, and concerns are addressed in a timely manner. If there are any questions about the inspection or the material requested in the Enclosure, please contact the lead inspector at (630) 829-9749 or via e-mail at RCD@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/

Ann Marie Stone, Chief
Engineering Branch 2
Division of Reactor Safety

Docket Nos. 50-266; 50-301
License Nos. DPR-24; DPR-27

Enclosure: Component Design Bases Inspection (CDBI) Document Request

See Attached Distribution

D. Koehl

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cc w/encl: F. Kuester, President and Chief
Executive Officer, We Generation
D. Cooper, Senior Vice President, Group Operations
J. McCarthy, Site Director of Operations
D. Weaver, Nuclear Asset Manager
Plant Manager
Regulatory Affairs Manager
Training Manager
Site Assessment Manager
Site Engineering Director
Emergency Planning Manager
J. Rogoff, Vice President, Counsel & Secretary
K. Duvneck, Town Chairman
Town of Two Creeks
Chairperson
Public Service Commission of Wisconsin
J. Kitsembel, Electric Division
Public Service Commission of Wisconsin
State Liaison Officer

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The first group lists information necessary for a productive inspection preparation. This information should be available to the Regional Office by no later than July 28, 2006, or sooner. The second group of documents requested are those items necessary for the teams in-office (August 21, 2006) preparation activities. During the in-office preparation week, the team may identify additional information needed. This information should be available by August 28, 2006 (on-site week). The last group lists information necessary to aid the inspection team in tracking issues identified as a result of the inspection. It is requested that this information be provided to the lead inspector as the information is generated during the inspection.

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Sincerely,
/RA/

Ann Marie Stone, Chief
Engineering Branch 2
Division of Reactor Safety

Docket No. 50-254; 50-265
License No. DPR-29; DPR-30

Enclosure: Component Design Bases Inspection (CDBI) Document Request

See Attached Distribution

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**INFORMATION REQUEST FOR POINT BEACH NUCLEAR POWER PLANT
COMPONENT DESIGN BASES INSPECTION (CDBI)**

Inspection Report: 05000266/2006006; 05000301/2006006 (DRS)

**Information Gathering/
Inspection Dates:** August 14, 2006

Inspection Dates: August 28, 2006, September 11, 2006, and September 25, 2006

Inspection Procedure: IP 71111.21, Component Design Bases Inspection

Lead Inspector: Robert Daley, Lead Inspector
(708) 829-9749
RCD@nrc.gov

***I. Information Requested Prior to the On-site Information Gathering/Inspection Week
(by July 28, 2006, or sooner)***

The following information is requested by July 28, 2006, or sooner, to facilitate inspection preparation. If you have any questions regarding this information, please call the team leader as soon as possible. (Information in "lists" should contain enough information to be easily understood by the inspection team.)

1. Risk ranking of top 100 components from your site specific probabilistic safety analysis (PSA) sorted by Risk Achievement Worth (RAW). Include values for Birnbaum Importance, Risk Reduction Worth (RRW), and Fussell-Veseley (FV) (as applicable).
2. Provide a list of the top 500 cut-sets from your PSA.
3. Risk ranking of operator actions from your site specific PSA sorted by RAW. Provide copies of your human reliability worksheets for these items.
4. If you have an External Events or Fire PSA Model, provide the information requested in Items 1 and 2 for external events and fire.
5. Any pre-existing evaluation or list of components and associated calculations with low design margins, (i.e., pumps closest to the design limit for flow or pressure, diesel generator close to design required output, heat exchangers close to rated design heat removal etc.).
6. List of high risk Maintenance Rule systems/components based on engineering or expert panel judgement.
7. A list of operating experience evaluations for the last 3 years.
8. A list of emergency and/or off-normal operating procedure changes in the last 5 years.

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COMPONENT DESIGN BASES INSPECTION (CDBI)**

9. A list of maintenance work orders involving repetitive failures in the last 5 years for the top 100 components. For the purposes of this request, “repetitive failure” would be “3 or more failures” of the same component or sub-component in the last 5 years.
10. A list of Condition Reports related to any of the top 100 components in the last 3 years.
11. A list of trend codes used for trending corrective action documents.
12. A list of modifications sorted by component identified in item 1.
13. List of and Information on any common cause failure of components experienced in the last 5 years at your facility.
14. A list of the design calculations which provide the design margin information for components included in item 1.
15. List of Root Cause and/or Apparent Cause Evaluations associated with component failures or design issues initiated/completed in the last 5 years.
16. List of MOVs in the MOV program, design margin and risk ranking.
17. List of AOVs in the AOV program, design margin and risk ranking.
18. SSCs in the maintenance rule (a)(1) category.
19. Site Top Ten issues list.
20. Provide list of PRA assumptions regarding operator actions and the associated procedures.
21. A copy of any internal/external self-assessments and associated corrective action documents generated in preparation for the inspection.
22. A copy of engineering/operations related audits completed in the last 2 years.
23. Current management and engineering organizational chart.

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II. Information Requested (for the approximate 30 selected components) to be Available Either during the 1st On-site Inspection Week (August 14, 2006) or by August 22, 2006. NOTE: Most of this information should be provided as components are selected during the first on-site preparation week (August 14, 2006)

1. List of condition reports (corrective action documents) associated with each of the selected components for the last 5 years.
2. The corrective maintenance history associated with each of the selected components for the last 2 years.
3. Copies of calculations associated with each of the selected components, excluding data files. Please review the calculations and also provide copies of referenced material (such as drawings, engineering requests, vendor letters).
4. Copies of operability evaluations associated with each of the selected components and plans for restoring operability, if applicable.
5. Copies of selected operator work-around evaluations associated with each of the selected components and plans for resolution, if applicable.
6. Copies of any open temporary modifications associated with each of the selected components, if applicable.
7. Trend data on the selected electrical/mechanical components' performance for last three years (For example, pumps' performance including in-service testing, other vibration monitoring, oil sample results, etc., as applicable).

III. Additional Information to be Provided on August 28, 2006 On-site (for final 15 - 18 selected components)

Requests for additional information based upon the results of preparation during the week of August 21, 2006 will also be provided during that same week. The lead inspector will normally provide these list(s).

IV. Information Requested to be provided throughout the inspection

24. Copies of any corrective action documents generated as a result of the team's questions or queries during this inspection.
25. Copies of the list of questions submitted by the team members and the status/resolution of the information requested (provide daily during the inspection to each team member).

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COMPONENT DESIGN BASES INSPECTION (CDBI)**

26. Reference materials (make available during all on-site weeks). NOTE: At least one volume should be in paper format (i.e., not electronic):
 - a. Technical Specifications
 - i. Technical Specifications;
 - ii. Technical Specification Bases;
 - iii. Technical Requirements Manual; and
 - iv. CTS (Old Technical Specifications if ITS has been implemented).
 - b. Updated Final Safety Analysis Report
 - c. Quality Assurance Plan

4. Copies of these documents do not need to be solely available to the team as long as the inspectors have easy and unrestrained access to them.
 - a. Original FSAR Volumes;
 - b. Original SER and Supplements (for Original FSAR);
 - c. FSAR Question and Answers;
 - d. Vendor Manuals;
 - e. General set of plant drawings;
 - f. Procurement documents for components selected (verify retrievable);
 - g. Plant procedures (normal, abnormal, emergency, surveillance, etc.); and
 - h. IPE/PRA report.

If you have questions regarding the information requested, please contact the lead inspector.