



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

REGION III
2443 WARRENVILLE ROAD, SUITE 210
LISLE, IL 60532-4352

November 3, 2010

Mr. Mark A. Schimmel
Site Vice President
Prairie Island Nuclear Generating Plant
Northern States Power Company, Minnesota
1717 Wakonade Drive East
Welch, MN 55089

SUBJECT: PRAIRIE ISLAND NUCLEAR GENERATING PLANT – REQUEST FOR INFORMATION FOR MANAGEMENT OF GAS ACCUMULATION IN EMERGENCY CORE COOLING, DEACY HEAT REMOVAL, AND CONTAINMENT SPRAY SYSTEMS INSPECTION; 05000282/2011-002; 05000306/2011-002(DRS)

Dear Mr. Schimmel:

On January 24, 2011, the NRC will begin the on-site portion of the Gas Accumulation Management in Emergency Core Cooling, Decay Heat Removal, and Containment Spray Systems Temporary Instruction at your Prairie Island Nuclear Generating Plant. This inspection will be performed in accordance with NRC Temporary Instruction (TI) 2515/177.

In order to minimize the impact that the inspection have on the site and to ensure a productive inspection, we have enclosed a request for documents needed for the inspection. The documents have been divided into three groups for each stage of the inspection.

- The first group lists information necessary for our initial inspection scoping activities. This information should be available to the inspector no later than November 29, 2010. By December 10, 2010, the inspector will communicate the initial selected samples.
- The second group of documents lists items needed to support our in-office preparation activities. This set of documents should be available at the Regional Office no later than January 10, 2011. This information should be separated by information request number, especially if provided electronically (e.g., folder with the information request number). During the in-office preparation activities, the inspectors may identify additional information needed to support the inspection.
- The last group includes the additional information mentioned above as well as plant specific reference material. This information should be available to the inspectors on January 24, 2011. It is also requested that corrective action documents and/or questions developed during the inspections be provided to the inspectors as the documents are generated.

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 on-site inspection.

If no activities were accomplished associated with a specific request, then provide a statement indicating that the request is not applicable.

The lead inspector for this inspection is Caroline Tilton. If there are questions about the material requested, or the inspection, please call Ms. Tilton at (630) 829-9718. Please send the information to the following e-mail address caroline.tilton@nrc.gov. A hard-copy with the required information is also an acceptable option.

This letter does not contain new or previous changes information collection requirements subject to the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.). Existing information collection requirements were approved by the Office of Management and Budget, control number 3150-0011. The NRC may not conduct or sponsor, and a person is not required to respond to, a request for information or an information collection requirement unless the requesting document displays a currently valid Office of Management and Budget control number."

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), 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. 50-282; 50-306
License Nos. DPR-42; DPR-60

Enclosures: TEMPORARY INSTRUCTION (TI 2515/177) DOCUMENT REQUEST

cc w/encl: Distribution via Listserve

TEMPORARY INSPECTION (TI 2515/177) DOCUMENT REQUEST

Inspection Report: 05000282/2011-002; 05000306/2011-002(DRS)

Inspection Dates: January 24-28, 2011, and February 7–11, 2011

Inspection Procedure: TI 2515/177, "Management of Gas Accumulation in Emergency Core Cooling, Decay Heat Removal, and Containment Spray Systems"

Inspectors: Caroline Tilton (lead inspector)
(630) 829-9718
caroline.tilton@nrc.gov

Néstor J. Félix Adorno
(630) 829-9739
nestor.feliz-adorno@nrc.gov

I. Information Requested By November 29, 2010

1. Copy of the station response to Generic Letter (GL) 2008-01 and any supplemental reports.
2. Copies of all the requests for additional information (RAIs) and the associated responses.
3. List of corrective action program documents (with a short description) associated with GL 2008-01, voids in piping, and pressure transients for the previous three years.
4. List of the suction piping sections identified as susceptible to gas accumulation (the list should identify the corresponding system).
5. List of the discharge piping sections identified as susceptible to gas accumulation (the list should identify the corresponding system).
6. List of changes (with a short description and tracking number) to the Final Safety Evaluation Report (FSAR), Technical Specifications, Technical Specification Bases, and Technical Requirement Manual associated with the resolution of GL 2008-01.
7. List of calculations associated with GL 2008-01 (with a short description of the calculation and the change), including calculations that have been changed or created in response to GL 2008-01.

TEMPORARY INSPECTION (TI 2515/177) DOCUMENT REQUEST

II. Information Requested By January 10, 2011

1. Copies of program documents and procedures developed to implement the resolution of GL 2008-01.
2. Copies of the selected corrective action program documents.
3. Copies of the selected licensing and design basis document changes.
4. Copies of isometric drawings of the subject systems (hard-copies are preferred).
5. Copies of piping and instrumentation diagrams (P&IDs) of the subject systems (hard-copies are preferred).
6. List of commitments (with a description) made in response to GL 2008-01 including the status of each.
7. List of actions that were completed in response to GL 2008-01.
8. Copies of all the corrective actions identified in the nine-month response and supplemental reports.
9. List (with a short description) of gas intrusion mechanisms that apply to the plant and the affected system locations (e.g., identify the source, conditions, and expected void locations).
10. Design basis documents of the subject systems (i.e., emergency core cooling, decay heat removal, and containment spray systems).
11. Design basis documents of keep-full systems of the subject systems.
12. Copies of self-assessments associated with the implementation of the GL 2008-01 program.
13. If available, electronic copies of the current Technical Specifications, Technical Specifications Basis, Final Safety Analysis Report, and Technical Report Manual.

III. Information Requested to be Available on First Day of Inspection, January 24, 2011

1. Copies of surveillance procedures associated with the resolution of GL 2008-01 and the results of the last two surveillances for the subject systems.
2. Copies of the modification packages for hardware modifications as part of the resolution of GL 2008-01.
3. Copies of the selected calculations.

TEMPORARY INSPECTION (TI 2515/177) DOCUMENT REQUEST

4. Copies of procedures use for detecting and determining void volumes.
5. Copies of procedures use for filling and venting.
6. Subject systems walkdown work documents associated with the resolution of GL 2008-01 and the results of these walkdowns.
7. Copies of the engineering evaluations performed for all identified voids.
8. Copies of trends of periodic venting results.
9. Copy of the design change review checklist that establish if a design change introduces or increases the potential for gas accumulation beyond established acceptance criteria.
10. Copies of training documents that ensure that personnel are aware of gas-related concerns.
11. Copy of the void transport analysis.
12. Basis for the void acceptance criteria (e.g., calculation). If applicable, provide the justification for any deviation from the void acceptance criteria established by the Office of Nuclear Reactor Regulations (NRR).
13. Basis for horizontal pipe acceptance criteria (e.g., calculation).
14. Copy of vortexing calculations associated with systems under the scope of GL 2008-01.
15. If applicable, provide a list of inaccessible locations where plant walkdowns of the subject systems have not been completed. Include an explanation of why each area is considered inaccessible.

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

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 on-site inspection.

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Sincerely,

/RA/

Ann Marie Stone, Chief
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Letter to Mr. Mark A. Schimmel from Ms. Ann Marie Stone dated November 3, 2010.

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