



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**

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

April 3, 2017

Mr. Peter A. Gardner
Site Vice President
Monticello Nuclear Generating Plant
Northern States Power Company, Minnesota
2807 West County Road 75
Monticello, MN 55362-9637

**SUBJECT: MONTICELLO NUCLEAR GENERATION PLANT—NOTIFICATION OF NRC
SUPPLEMENTAL INSPECTION (95001) AND REQUEST FOR INFORMATION**

Dear Mr. Gardner:

By letter dated December 12, 2016, (ADAMS ML16347A616), the U.S. Nuclear Regulatory Commission (NRC) communicated to you the final significance determination of a finding having low-to-moderate safety significance (White) at your Monticello Nuclear Generating Plant. The finding was associated with a failure to properly plan and perform maintenance affecting the safety-related High Pressure Coolant Injection (HPCI) system. Specifically, improperly planned and performed pre-April 2005 maintenance resulted in a crack in the safety-related HPCI oil pipe that degraded over time and caused increased HPCI oil leakage. The issue went unresolved for numerous years until the pump was eventually declared inoperable.

By letter dated February 28, 2017, we were notified by your staff that you were ready for the NRC to conduct our supplemental inspection to review the actions taken to address the White finding. Accordingly, we plan to conduct a supplemental inspection, beginning on June 5, 2017, at the Monticello Nuclear Generating Plant using Inspection Procedure 95001, "Supplemental Inspection for One or Two White Inputs in a Strategic Performance Area." This on-site inspection is scheduled to be performed June 5 through June 9, 2017.

In order to minimize the impact to your on-site resources and to ensure a productive inspection for both organizations, we have enclosed a request for documents needed for this inspection. The documents identified are those that the inspectors will need prior to and upon arrival at the site. 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 on-site portion of the inspection.

We have discussed the schedule for these inspection activities with your staff and understand that our regulatory contact for this inspection will be Mr. Steve Sollom of your organization. If there are any questions about this inspection or the material requested, please call or email Ms. Carrington at 309-654-2227 or kenya.carrington@nrc.gov.

P. Gardner

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This letter and its enclosure will be made for public inspection and copying at <http://www.nrc.gov/reading-rm/adams.html> and at the NRC Public Document Room in accordance with 10 CFR 2.390, "Public Inspections, Exemptions, Requests or Withholding"

Sincerely,

/RA Karla Stoedter Acting for/

Kenneth Riemer, Chief
Branch 2
Division of Reactor Projects

Docket No. 50-263
License No. DPR-22

Enclosure:
Supplemental Inspection Document Request

cc: Distribution via LISTSERV®

Letter to Peter A. Gardner from Kenneth Riemer dated April 3, 2017

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SUPPLEMENTAL INSPECTION DOCUMENT REQUEST

Inspection Report: 05000263/2017009

Inspection Dates: June 5–9, 2017

Inspection Procedure: IP 95001

Please assemble the following documents, preferably on a CD-ROM, and send to the lead inspector, Kenya Carrington, and to the Monticello Resident Inspector's Office on or before the dates requested. Information for the lead inspector should be sent to the following address: Ms. Kenya Carrington; U.S.N.R.C. Resident Inspector's Office; 22710 N. 206th Avenue, Cordova, IL 61242. The information sent should be current as of the date of your mailing. Information provided on-site should be the latest approved documentation. The information should be mailed in such a manner as to reach the addressee by May 1, 2017. Proprietary information should be clearly marked and stored on a separate CD-ROM. Draft documentation should not be provided as part of this information request. It is also requested that access to the internet be provided for the inspector during the inspection.

Information Requested Prior to Inspection:

Procedures:

- Administrative procedure(s) governing the site's corrective action program.
- Administrative procedure(s) governing the identification and resolution of problems.
- Administrative procedure(s) governing work control, work screening, and work planning.
- Administrative procedure(s) governing equipment or system performance trending (departmental or engineering trend).
- Administrative procedure(s) governing preventative maintenance.
- Administrative procedure(s) governing leakage control.
- Administrative procedure(s) governing maintenance on and installation of threaded pipe fittings/connections, specific to the one that cracked and resulted in oil leakage.
- Administrative procedure(s) governing operability assessments.
- Administrative procedure(s) governing root cause and apparent cause evaluations.
- Administrative procedure(s) governing common cause assessments, effectiveness reviews, and self-assessments.
- Administrative procedure(s) governing the use of vendor documents and recommendations.

Reports:

- The root cause evaluation report(s) and associated documents for the White finding;
- Any internal and/or external assessments of the root cause evaluation and any follow-up assessments that occurred because of the root cause evaluation, including departmental assessments, corporate assessments, and "mock 95001" assessments conducted at the plant to assess readiness for the inspection.
- A copy of all documents referenced in the root cause report for the White finding.
- A copy of the work order history and associated work orders related to the HPCI oil leak (subject of the finding), including work orders 140390, 506331, 507865.
- A copy of all condition reports associated with the oil leak or inadequate maintenance on the high pressure coolant injection pump since March 2005 (subject of the White finding), including a title or brief description, organized by date.

Enclosure

- A copy and list of all work requests, work orders, if not already included, related to condition reports 1018528, 1508130, 1515945, 1516361 and engineering change (EC) 9712.
- A list of all extent of condition evaluations and/or extent of cause evaluations conducted for the HPCI pump, including those associated with the maintenance performed resulting in the initial crack and subsequent oil leaks; the list should be sorted by date and contain the condition report number, the title, and a short summary of the conclusion
- A copy of all condition reports that resulted from any assessments of the root cause evaluation.
- A copy of all condition reports that resulted from the root cause evaluation.
- A copy of the preventative maintenance (PM) template for the HPCI pump.
- A copy of any Quality Assurance or Nuclear Oversight assessments of the root cause evaluation for the high pressure coolant injection pump failure.
- Documentation supporting completion of any corrective actions for the high pressure coolant injection pump failure and inadequate maintenance, including plant procedure changes, training requests and completion records, etc.
- Current schedule and resource commitment documents for open corrective actions associated with the high pressure coolant injection pump.
- Schedule and status of any ongoing, planned or completed effectiveness reviews stemming from the root cause evaluation for the White finding.

Please assemble and have available onsite for the inspector a copy (on CD-ROM/DVD and/or hardcopy) of the following documents:

- Updated Final Safety Analysis Report;
- Technical Specifications;
- Administrative Procedures;
- Site Organization Charts;
- Drawings;
- Vendor Manual for the High Pressure Coolant Injection Pump; and
- Any previously provided documents that have been updated or revised.