



**UNITED STATES  
NUCLEAR REGULATORY COMMISSION**

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

August 27, 2009

Mr. Scott Nelson  
Radiation Safety Officer  
Xcel Energy  
250 Marquette Plaza  
Minneapolis, Mn 55401

SUBJECT: NRC INSPECTION REPORT 03013543/2009-001 (NRC FORM 591M, PART 1)  
NORTHERN STATES POWER COMPANY

Dear Mr. Nelson:

On August 03, 2009, a Nuclear Regulatory Commission (NRC) inspector conducted an inspection of Northern States Power with continuing in-office review through August 14, 2009. The inspection was an examination of your activities conducted under your NRC Part 30 license, as they relate to radiation safety and to compliance with the Commission's rules and regulations. Our in-office review consisted of a review and discussions of records documenting your licensed activities performed in May 2001 at your Monticello Station. As a result of the inspection, the enclosed NRC Form 591M, Part 1, is issued. You will note that this form indicates that no violations were identified. It is not necessary that you acknowledge receipt of this form.

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

We will gladly discuss any questions you have concerning this inspection.

Sincerely,

A handwritten signature in black ink, appearing to read "Tamara Bloomer".

Tamara E. Bloomer, Chief  
Materials Inspection Branch

Docket No. 030-13543  
License No. 22-08799-09

Enclosure:  
NRC Form 591M, Part 1

cc: State of Minnesota

**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

|   |                                     |   |  |
|---|-------------------------------------|---|--|
| 1. LICENSEE/LOCATION INSPECTED:<br>Northern States Power<br>250 Marquette Plaza<br>Minneapolis, Mn 55401<br><br>REPORT NUMBER(S) 2009-001 |                                     | 2. NRC/REGIONAL OFFICE<br>REGION III<br>US NUCLEAR REGULATORY COMMISSION<br>801 WARRENVILLE ROAD<br>LISLE IL 60532-4351 |  |
| 3. DOCKET NUMBER(S)<br>030-13543  | 4. LICENSE NUMBER(S)<br>22-08799-09 | 5. DATE(S) OF INSPECTION<br>August 03, 2009   |  |

**LICENSEE:**

The inspection was an examination of the activities conducted under your license as they relate to radiation safety and to compliance with the Nuclear Regulatory Commission (NRC) rules and regulations and the conditions of your license. The inspection consisted of selective examinations of procedures and representative records, interviews with personnel, and observations by the inspector. The inspection findings are as follows:

- 1. Based on the inspection findings, no violations were identified.
- 2. Previous violation(s) closed.
- 3. The violation(s), specifically described to you by the inspector as non-cited violations, are not being cited because they were self-identified, non-repetitive, and corrective action was or is being taken, and the remaining criteria in the NRC Enforcement Policy, NUREG-1600, to exercise discretion, were satisfied.

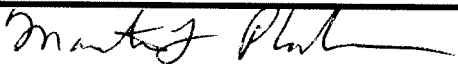
\_\_\_\_\_ non-cited violation(s) were discussed involving the following requirement(s):

- 4. During this inspection, certain of your activities, as described below and/or attached, were in violation of NRC requirements and are being cited. This form is a NOTICE OF VIOLATION, which may be subject to posting in accordance with 10 CFR 19.11.

(Violations and Corrective Actions)

**Statement of Corrective Actions**

I hereby state that, within 30 days, the actions described by me to the Inspector will be taken to correct the violations identified. This statement of corrective actions is made in accordance with the requirements of 10 CFR 2.201 (corrective steps already taken, corrective steps which will be taken, date when full compliance will be achieved). I understand that no further written response to NRC will be required, unless specifically requested.

| TITLE         | PRINTED NAME     | SIGNATURE  | DATE       |
|---------------|------------------|--|------------|
| LICENSEE      |                  |  |            |
| NRC INSPECTOR | Martin J. Phalen |  | 08/24/2009 |

**Docket File Information**  
**SAFETY INSPECTION REPORT AND COMPLIANCE INSPECTION**

|   |  |   |  |
|---|--|---|--|
| 1. LICENSEE/LOCATION INSPECTED:<br>Northern States Power<br>REPORT NUMBER(S) 2009-001 |  | 2. NRC/REGIONAL OFFICE<br>REGION III        |  |
| 3. DOCKET NUMBER(S)<br>030-13543  | 4. LICENSE NUMBER(S)<br>22-08799-09  | 5. DATE(S) OF INSPECTION<br>August 03, 2009 |  |
| 6. INSPECTION PROCEDURES USED<br>87126  | 7. INSPECTION FOCUS AREAS<br>03.02, 03.04, 03.05, 03.06, 03.07, 03.08, 03.09, 03.10, 03.11, 03.12, 03.14, 03.16, 03.18 |   |  |

**SUPPLEMENTAL INSPECTION INFORMATION**

|                             |                   |  |                                     |
|-----------------------------|-------------------|--|-------------------------------------|
| 1. PROGRAM CODE(S)<br>03225 | 2. PRIORITY<br>K5 | 3. LICENSEE CONTACT<br>Scott Nelson, RSO | 4. TELEPHONE NUMBER<br>715-220-8114 |
|-----------------------------|-------------------|--|-------------------------------------|

Main Office Inspection      Next Inspection Date: 08/31/2009  
 Field Office Inspection \_\_\_\_\_  
 Temporary Job Site Inspection \_\_\_\_\_

**PROGRAM SCOPE**

The licensee was authorized to possess any byproduct material as fixed contamination on reactor components and equipment (from the Prairie Island and Monticello Nuclear Stations), up to 100 millicuries, for reactor component and equipment repair, modification, and decontamination.

The licensee's practices is to decontaminate, as much as possible, reactor parts prior to shipment to a vendor for repairs / maintenance. Once at the vendor's facility, the licensee directly supervises repairs of reactor components and setup controls for containing any generated loose contamination. Selected individuals are authorized to use RAM, and these individuals are under the direct supervision of the Radiation Safety Officer or his designee. The licensee's activities conducted under this license were limited to infrequent occasions. The Monticello plant last conducted licensed activities in May 2001. The Prairie Island plant had not conducted licensed activities since prior to May 2001.

This inspection was limited to a review of select records associated with the work performed by the Monticello plant staff and interviews with licensee staff. The inspector's review of the licensee's records and discussions with licensee staff determined that licensee personnel conducted adequate surveys and followed the appropriate license conditions. Specifically, the NRC license, corporate procedure FP-RP-RAM-01, Revision 01, and records from the last radioactive material shipment were reviewed.

NOTE TO THE NEXT INSPECTOR: The inspector should contact the licensee prior to conducting the next inspection in order to determine the location of the licensed activities (at the temporary job site).

The inspector can also make arrangements with the licensee for site access at the nuclear stations if required.