

**ENCLOSURE 1**

U.S. NUCLEAR REGULATORY COMMISSION

Amendment No. 16

**MATERIALS LICENSE**

Pursuant to the Atomic Energy Act of 1954, as amended, the Energy Reorganization Act of 1974 (Public Law 93-438), and Title 10, Code of Federal Regulations, Chapter I, Parts 30, 31, 32, 33, 34, 35, 36, 39, 40, and 70, and in reliance on statements and representations heretofore made by the licensee, a license is hereby issued authorizing the licensee to receive, acquire, possess, and transfer byproduct, source, and special nuclear material designated below; to use such material for the purpose(s) and at the place(s) designated below; to deliver or transfer such material to persons authorized to receive it in accordance with the regulations of the applicable Part(s). This license shall be deemed to contain the conditions specified in Section 183 of the Atomic Energy Act of 1954, as amended, and is subject to all applicable rules, regulations, and orders of the Nuclear Regulatory Commission now or hereafter in effect and to any conditions specified below.

Licensee	In accordance with letter dated December 14, 2005
1. Northern States Power Company Db a Xcel Energy	3. License number 22-08799-02
2. 414 Nicollet Mall (Ren. Sq. 8) Minneapolis, Minnesota 55401	4. Expiration date May 31, 2007
	5. Docket No. 030-05004 Reference No.

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| 6. Byproduct, source, and/or special nuclear material | 7. Chemical and/or physical form   | 8. Maximum amount that licensee may possess at any one time under this license |
| A. Any byproduct material                             | A. Materials and corrosion products activated by Pathfinder Nuclear Reactor operations | A. Not to exceed 41 millicuries total  |

9. Authorized use:
- A. For Possession Only, incident to license termination. Decommissioning activities in accordance with the Pathfinder Decommissioning Plan submitted by letter dated February 17, 2004 and supplemented by letter dated December 21, 2004.

CONDITIONS

10. Licensed material shall be possessed at the Pathfinder Generating Plant, Angus Anson Site, 7100 East Rice Street, Sioux Falls, South Dakota.
11. Licensed material shall only be possessed under the supervision of the Radiation Safety Officer (RSO).

**MATERIALS LICENSE  
SUPPLEMENTARY SHEET**License Number  
22-08799-02Docket or Reference Number  
030-05004

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12. A. The RSO shall meet the education, training, and experience criteria specified by NUREG - 1757, Vol. 1, Section 17.2.3.1 and be designated by the licensee in writing.
- B. The licensee, without prior NRC approval, may appoint a RSO provided: i) the licensee maintains documentation demonstrating that the requirements of Condition 12A, above, are met, and ii) the NRC is informed of the new RSO, by letter to the Regional Administrator, Region IV, within 30 days of the appointment.
13. Except as specifically provided otherwise in this license, the licensee shall conduct its program in accordance with the statements, representations, and procedures contained in the documents, including any enclosures, listed below. The U.S. Nuclear Regulatory Commission's regulations shall govern unless the statements, representations, and procedures in the licensee's application and correspondence are more restrictive than the regulations.
- A. Letter dated May 26, 1995
- B. Letter dated February 21, 2003
- C. Application dated June 16, 2003
- D. Letter dated October 15, 2003
- E. Letter dated February 17, 2004, and supplemented by letter dated December 21, 2004

For the U.S. Nuclear Regulatory Commission

Date 1/20/2006By /RA/  
Daniel Gillen, Deputy Director  
Decommissioning Directorate  
Division of Waste Management  
and Environmental Protection  
Office of Nuclear Materials Safety  
and Safeguards

