



JUL 23 2013

L-PI-13-071  
10 CFR 50.90

U S Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, DC 20555-0001

Prairie Island Nuclear Generating Plant Units 1 and 2  
Dockets 50-282 and 50-306  
Renewed License Nos. DPR-42 and DPR-60

Supplement to License Amendment Request (LAR) to Revise Emergency Plan (EP)  
Emergency Action Levels (EALs): RA1.2 and Fuel Clad Barrier Loss Criteria  
(TAC Nos. MF0379 and MF0380)

By letter dated December 13, 2012 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12349A362), Northern States Power Company, a Minnesota corporation, doing business as Xcel Energy (hereafter "NSPM"), requested NRC review and approval of changes to the Emergency Plan for the Prairie Island Nuclear Generating Plant (PINGP), Units 1 and 2, to revise two EALs: RA1.2 and a Fuel Clad Barrier loss criterion. By letter dated May 9, 2013 (ML13119A155), the NRC Staff requested additional information on the December 13, 2012, LAR (ML12349A362). Responses to requests for additional information (RAIs) 1 through 5 were provided by letter dated June 21, 2013 (ML13172A404). Pursuant to a phone call with the NRC Staff on June 11, 2013, the due date for RAI 6 was extended to July 31, 2013. The enclosure to this letter provides the response to NRC Staff RAI 6. NSPM submits this supplement in accordance with the provisions of 10 CFR 50.90.

The supplemental information provided in this letter and enclosure does not impact the conclusions of the Determination of No Significant Hazards Consideration or Environmental Assessment presented in the December 13, 2012 (ML12349A362) submittal as supplemented on June 21, 2013 (ML13172A404). With the responses provided in this supplement, the NSPM EP will continue to meet the requirements in 10CFR 50.47(b) and 10CFR 50 Appendix E.

In accordance with 10 CFR 50.91, NSPM is notifying the State of Minnesota of this LAR supplement by transmitting a copy of this letter and enclosure to the designated State Official.

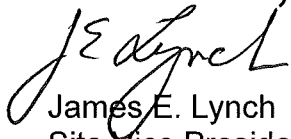
If there are any questions or if additional information is needed, please contact Mr. Dale Vincent, P.E., at 651-388-1121.

Summary of Commitments

This letter contains no new commitments and no revisions to existing commitments.

I declare under penalty of perjury that the foregoing is true and correct.

Executed on 07/23/2013



James E. Lynch  
Site Vice President, Prairie Island Nuclear Generating Plant  
Northern States Power Company - Minnesota

Enclosures (1)

cc: Administrator, Region III, USNRC  
Project Manager, PINGP, USNRC  
Resident Inspector, PINGP, USNRC  
State of Minnesota

## ENCLOSURE

Supplement to License Amendment Request (LAR) to Revise Emergency Plan (EP)  
Emergency Action Levels (EALs): RA1.2 and Fuel Clad Barrier Loss Criteria  
(TAC Nos. MF0379 and MF0380)

By letter dated December 13, 2012 (Agencywide Documents Access and Management System (ADAMS) Accession No. ML12349A362), Northern States Power Company, a Minnesota corporation, doing business as Xcel Energy (hereafter "NSPM"), requested NRC review and approval of changes to the Emergency Plan for the Prairie Island Nuclear Generating Plant (PINGP), Units 1 and 2, to revise two EALs: RA1.2 and a Fuel Clad Barrier loss criterion. By letter dated May 9, 2013 (ML13119A155), NRC Staff requested additional information on the December 13, 2012, LAR (ML12349A362). Responses to the NRC requests for additional information (RAI) 1 through 5 were provided by letter dated June 21, 2013 (ML13172A404). This enclosure provides the response to NRC Staff RAI 6.

### **NRC RAI 6:**

Explain how Note 2 on Table R-1 applies to the gaseous monitors, or remove the asterisks.

### **NSPM Response to RAI 6:**

Radiation monitors R-18, R-19, R-22, R-25, R-30, R-31, and R-37 have an asterisk footnote that states, "Applies when Effluent discharge not isolated". These radiation monitors are all capable of initiating an isolation signal. This footnote was added based on user feedback to clarify that the classification should only be made on radiation monitor readings for an open release path, that is, a release emergency action level should not be declared on a release path that has been isolated. The RA1 Basis document states, "The fundamental basis of this IC [Initiating Condition] is NOT a dose or dose rate, but rather the degradation in the level of safety of the plant implied by the uncontrolled release." After isolation of these ventilation paths, the high alarm may remain due to radioactivity trapped in the ductwork, but that high alarm should not be used as the basis to declare an emergency. For example, R-25 and R-31 monitor the Spent Fuel Pool (SFP) normal ventilation release path. A valid high alarm signal automatically actuates the SFP Special Ventilation System which would trip SFP normal ventilation and close the exhaust dampers. When the dampers close an uncontrolled release should no longer exist and an emergency should not be declared. The asterisk and associated footnote is there to ensure an emergency is not classified on a radiation monitor that is not a release path.