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10 CFR 50.73

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

Prairie Island Nuclear Generating Plant Unit 1  
Docket 50-282  
Renewed License No. DPR-42

Cancellation of Licensee Event Report (LER) 50-282/2014-002-00/01, Emergency Diesel Generators Declared Inoperable Due to Not Meeting High Energy Line Break (HELB) Requirements

Reference: 1. Northern States Power Company, a Minnesota corporation, doing business as Xcel Energy (hereafter "NSPM") letter to NRC, "LER 50-282/2014-002-00, Emergency Diesel Generators Declared Inoperable Due to Not Meeting High Energy Line Break (HELB) Requirements." (ADAMS Accession ML ML14216A564).

Reference: 2. Northern States Power Company, a Minnesota corporation, doing business as Xcel Energy (hereafter "NSPM") letter to NRC, "LER 50-282/2014-002-01, Emergency Diesel Generators Declared Inoperable Due to Not Meeting High Energy Line Break (HELB) Requirements." (ADAMS Accession ML ML15030A360).

This letter constitutes notification to the NRC of the cancellation of Prairie Island Nuclear Generating Plant (PINGP) LER 50-282/2014-002-00 (Reference 1) and LER 50-282/2014-002-01 (Reference 2). The cancellation is consistent with the guidance in "NUREG-1022, Rev 3, Event Reporting Guidelines 10 CFR50.72 and 50.73", section 5.1.2.

This event was originally considered reportable under 10 CFR 50.73(a)(2)(v)(D), any event or condition that could have prevented the fulfillment of a safety function of structures or systems that are needed to mitigate the consequences of an accident.

As discussed in the referenced LER, the Unit 1 Emergency Diesel Generators (EDG) were declared inoperable on June 3, 2014, due to the station identifying that the Turbine Building High Energy Line Break (HELB) heat-up analysis temperature exceeded the maximum temperature limit for both EDG Supply and Exhaust Fan Blade Positioners. The ventilation fans are a required support system for ensuring the operability of the EDGs.

The Unit 1 EDG fan blade positioner and associated controls were tested by a third party vendor for proper function in an environment more severe than their postulated environment conditions for the currently installed area of the plant. The report from the environmental (HELB) testing stated that the actuator loses approximately 10 percent travel on the open (max flow) position due to the high temperatures, but will still function. Examination of this actual fan data indicates that the fan flow is essentially unchanged for the fan blade position range from 80 percent to 100 percent open. This means the fan blade positioners would have performed their intended function during a postulated HELB event. The limit actuator travel of 90 percent does not adversely impact the fan's ability to produce ventilation flow consistent with the open position of the fan blade.

Based on the determination that no loss of safety function existed, NSPM is cancelling LER 50-282/2014-002-00 and LER 50-282/2014-002-01.

Summary of Commitments

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



Kevin Davison

Site Vice President, Prairie Island Nuclear Generating Plant  
Northern States Power Company – Minnesota

cc: Administrator, Region III, USNRC  
Project Manager, Prairie Island, USNRC  
Resident Inspector, Prairie Island, USNRC  
Department of Commerce, State of Minnesota