

Monticello Nuclear Generating Plant 2807 W County Road 75 Monticello, MN 55362

January 17, 2012

L-MT-12-006 10 CFR 50.73

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

Monticello Nuclear Generating Plant Docket 50-263 Renewed Facility Operating License No. DPR-22

## LER 2011-009 "Automatic Reactor Scram While Performing Turbine - Generator Testing"

A Licensee Event Report (LER) for this occurrence is attached.

## Summary of Commitments

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

Timothy J. O'Connor Site Vice-President Montivello Nuclear Generating Plant Northern States Power Company-Minnesota

Enclosure

cc: Regional Administrator, Region III, USNRC Project Manager, Monticello Nuclear Generating Plant, USNRC Resident Inspector, Monticello Nuclear Generating Plant, USNRC

NRC FORM 366 U.S. NUCLEAR REGULATORY COMMISSION						APPROVED BY OMB NO. 3150-0104 EXPIRES 10/31/2013										
(10-2010) LICENSEE EVENT REPORT (LER) (See reverse for required number of digits/characters for each block)						Estimated burden per response to comply with this mandatory information collection request: 80 hours. Reported lessons learned are incorporated into the licensing process and fed back to industry. Send comments regarding burden estimate to the FOIA/Privacy Section (T-5 F53), U.S. Nuclear Regulatory Commission, Washington, DC 20555-0001, or by internet e-mail to infocollects.resource@nrc.gov, and to the Desk Officer, Office of Information and Regulatory Affairs, NEOB-10202 (3150-0104), Office of Management and Budget, Washington, DC 20503. If a means used to impose an information collection does not display a currently valid OMB control number, the NRC may not conduct or sponsor, and a person is not required to respond to, the information.										
1. FACILITY N	IAME						2	2. DOCKET NUMBER				3. PAGE				
Monticello Nuclear Generating Plant					05000 - 263				1 OF 3							
Automatic	Reactor	Scran	ו Whi	e Performi	ng T	urbine -	- G	Generato	or T	Testing						
5. EVI	ENT DATE		6. LER NUMBER			7. REPORT DA		T DATE		8. OTHER			FACILITIES INVOLVED			
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REV NO	MONTH	DA	Y YEAR	FA	ACILITY NAME		05000				
11	19	2011	2011	- 009 -	00	01	17	7 2012	FA	ACILITY NAME		роск О	ET NU	JMBER O		
9. OPERATING MODE 11. THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CER 8: (Check all that apply)																
1 10. POWER LEVEL			□ 20 □ 20 □ 20 □ 20 □ 20 □ 20 □ 20 □ 20	11. THIS REPORT IS SUBMITTED $20.2201(b)$ $20.2203(a)$ $20.2203(a)$ $20.2203(a)$ $20.2203(a)(1)$ $20.2203(a)$ $20.2203(a)(2)(i)$ $50.36(c)(1)$ $20.2203(a)(2)(ii)$ $50.36(c)(2)$ $20.2203(a)(2)(ii)$ $50.36(c)(2)$			)(3 1)(3 1)(3 1)(4 1)(1) 1)(1) 1)(1] 2)	)(i) )(ii) )(i) )(A) )(A)		50.73(a)(2)(i)(C) $50.73(a)(2)(i)(A)$ $50.73(a)(2)(ii)(A)$ $50.73(a)(2)(ii)(B)$ $50.73(a)(2)(ii)(B)$ $50.73(a)(2)(ii)(A)$ $50.73(a)(2)(iv)(A)$ $50.73(a)(2)(iv)(A)$ $50.73(a)(2)(iv)(A)$			10 CFR §: (Check all that apply)         50.73(a)(2)(vii)         50.73(a)(2)(viii)(A)         50.73(a)(2)(viii)(B)         50.73(a)(2)(ix)(A)         50.73(a)(2)(ix)(A)         50.73(a)(2)(ix)(A)         73.71(a)(4)         73.71(a)(4)			
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🛛 YES (Ify	ves, comp	ete 15. E	XPECT	ED SUBMISSI		DATE)	] [	NO		DATE		0	2	29	2012	
ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) On November 19 <sup>th</sup> , 2011, at approximately 2312 CST, during performance of regularly scheduled Turbine- Generator Quarterly Surveillance, an unplanned reactor scram occurred. Following the reactor scram, reactor water level lowered below the Group II isolation initiation setpoint (+9 in) and an actuation of Primary Containment Isolation System occurred.																
The direct cause of the scram was the actuation of the Main Turbine acceleration relay (load rejection) pressure switches. The root cause is under investigation by the site. A supplement to this Licensee Event Report will be submitted following completion of the investigation and will outline corrective actions to address the root cause.																

NRC FORM 366A (10-2010)				U.S. NUCLEAR REGULATORY COMMISSION						
(		EVENT REP	ORT (LER)							
1. FACILITY NAME	CONT	2. DOCKET			3. PAGE					
	05000 -263	YEAR	SEQUENTIAL REV NUMBER NO.	2 OF 3						
Monticello Nuclear Generating	l Plant		2011 -	009 - 00						
NARRATIVE				·						
Energy industry identification system (EIIS) codes are identified in the text within brackets [xx].										
EVENT DESCRIPTION										
Prior to the event, Monticello Nuclear Generating Plant was in Mode 1 at approximately 90% power.										
On November 19, 2011, at approximately 2312 CST, the plant scrammed while performing a Turbine – Generator Quarterly Surveillance Test, which tests the operation of the Speed/Load Changer and Turbine Bypass Valves [V]. The Speed/Load Changer was being lowered to close the Control Valves [V] and concurrently open the Bypass Valves when a Reactor half scram was received followed by a full Reactor scram due to both channels of the Turbine-Generator load reject trip relays [RLY] which receive their signal from oil pressure sensing switches [PIS]. Following the reactor scram, reactor water level lowered below the Group II isolation initiation setpoint (+9 in) and an actuation of Primary Containment Isolation System (PCIS) occurred.										
Control Rods fully inserted as expected in response to the Reactor Protection System [JC] (RPS) actuation. Post scram, Reactor Vessel [RPV] water level was controlled using the Feedwater [SJ] and Condensate [SD] systems. No other safety systems actuated or were required to actuate. There was no inoperable equipment at the start of the event that contributed to the event. Off-site power was available and both Emergency Diesel Generators [DG] were operable and available. Crew recognition, response and decision making enabled effective management of the transient.										
EVENT ANALYSIS										
This event is being reported in accordance with 10 CFR 50.73(a)(2)(iv)(A) – System Actuation. This event is not considered a safety system functional failure.										
CAUSE										
The direct cause of the scram was the actuation of the Main Turbine acceleration relay (load rejection) pressure switches. The root cause investigation is in progress. A supplement to the Licensee Event Report will be submitted upon completion of the investigation.										
SAFETY SIGNIFICANCE										
The safety objective of both R could challenge the integrity of release of radioactive material temperature and pressure incr release of radioactive material this event, the RPS, PCIS, and process barriers remained inta safety of the public.	PS and PCIS a f the fuel barrie from the fuel a eases through s by isolating the plant safety s lot. Consequer	are to provide t er and nuclear and nuclear sy the initiation c he reactor ves systems function tly, the event	imely protect system process of an automat sel and closir oned as desig did not have a	ion at the onset or ess barriers. The barriers by termi ic plant shutdown ng containment wi ned and fuel and an adverse impac	f conditions that RPS prevents the nating excessive . PCIS prevents here required. For nuclear system t on the health and					

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		05000 -263	YEAR	EQUENTIAL REV NUMBER NO.		3 OF 3	
Monticello Nuclear Generating	2011 -		009 -	00			
The root cause investigation is upon completion of the investi PREVIOUS SIMILAR EVENTS There have been no similar lic	in progress. gation and will S ensee event re	A supplement outline correct eports in the pa	to the Licens tive actions t ast three yea	ee Event R o address ti rs.	teport w he root	ill be submitted cause.	