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REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9203120382 DOC.DATE: 92/03/09 NOTARIZED: NO DOCKET #
 FACIL: 50-263 Monticello Nuclear Generating Plant, Northern States 05000263
 AUTH.NAME AUTHOR AFFILIATION
 WARD, A. Northern States Power Co.
 PARKER, T.M. Northern States Power Co.
 RECIP.NAME RECIPIENT AFFILIATION

SUBJECT: LER 92-004-00: on 920207, condition prohibited by TS Caused by inadequate engineering review. Fuel oil sample was analyzed in accordance w/ASTM standard. W/920309 ltr.

DISTRIBUTION CODE: IE22T COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4
 TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

NOTES: NRR/LONG, W.

05000263

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD3-1 LA	1 1	PD3-1 PD	1 1
	LONG, W	1 1		
INTERNAL:	ACNW	2 2	AEOD/DOA	1 1
	AEOD/DSP/TPAB	1 1	AEOD/ROAB/DSP	2 2
	NRR/DET/EMEB 7E	1 1	NRR/DLPQ/LHFB10	1 1
	NRR/DLPQ/LPEB10	1 1	NRR/DOEA/OEAB	1 1
	NRR/DREP/PRPB11	2 2	NRR/DST/SELB 8D	1 1
	NRR/DST/SICB8H3	1 1	NRR/DST/SPLB8D1	1 1
	NRR/DST/SRXB 8E	1 1	<u>REG FILE</u> 02	1 1
	RES/DSIR/EIB	1 1	RGN3 FILE 01	1 1
EXTERNAL:	EG&G BRYCE, J.H	3 3	L ST LOBBY WARD	1 1
	NRC PDR	1 1	NSIC MURPHY, G.A	1 1
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Northern States Power Company

414 Nicollet Mall
Minneapolis, Minnesota 55401-1927
Telephone (612) 330-5500

March 9, 1992

Report Required by
10 CFR Part 50, Section 50.73

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

MONTICELLO NUCLEAR GENERATING PLANT
Docket No. 50-263 License No. DPR-22

Condition Prohibited by Technical Specification
Caused by Inadequate Engineering Review

The Licensee Event Report for this occurrence is attached. Please contact us if you have require further information.

Monica Vib

for Thomas M Parker
Manager
Nuclear Support Services

c: Regional Administrator - III NRC
Sr Resident Inspector, NRC
NRR Project Manager, NRC
MDH

Attn: Dr R Thron

Attachment

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PDR ADDOCK 05000263
S PDR

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LICENSEE EVENT REPORT (LER)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) MONTICELLO NUCLEAR GENERATING PLANT	DOCKET NUMBER (2) 0 5 0 0 0 2 1 6 3	PAGE (3) 1 OF 0 3
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TITLE (4)
Condition Prohibited by Technical Specification Caused by Inadequate Engineering Review

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)
0	2	07	9	2	004	0	3	09			0 5 0 0 0
											0 5 0 0 0

OPERATING MODE (9) **N**

POWER LEVEL (10) **100**

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)

<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.405(c)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
<input type="checkbox"/> 20.405(a)(1)(i)	<input type="checkbox"/> 50.36(c)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)
<input type="checkbox"/> 20.405(a)(1)(ii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	<input type="checkbox"/> OTHER (Specify in Abstract below end in Text, NRC Form 366A)
<input type="checkbox"/> 20.405(a)(1)(iii)	<input checked="" type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)	
<input type="checkbox"/> 20.405(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	
<input type="checkbox"/> 20.405(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Anne Ward, Superintendent Reactor Systems Engineering	6 1 1 2 2 9 1 5 - 1 1 2 5 1 6

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On February 7, 1992, with the plant operating at 100% power, a review of the sampling technique for the diesel oil sample system determined that the sample was not being obtained in accordance with Technical Specifications. The cause of the event was inadequate engineering review of the sampling system when implementing an amendment to Technical Specifications. Immediate actions were to sample the diesel oil in accordance with the ASTM standard, compare the results with previous samples and revise the sample procedure to comply with the ASTM standard. Action to be completed is to pursue a Technical Specification change to comply with the updated ASTM standard.

**LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION**

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1) Monticello Nuclear Generating Plant	DOCKET NUMBER (2) 0 5 0 0 0 2 6 3	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9 2	- 0 0 4	- 0 0	0 2	OF	0 3

TEXT (If more space is required, use additional NRC Form 366A's) (17)

DESCRIPTION

On January 25, 1978 License Amendment 33 was issued to the Monticello plant from the NRC. The amendment included Technical Specification 4.13.b.1.e, applicable to the diesel-driven fire pump (EIIS Component: P)(EIIS System: KP), which states, "Every three months verify that a sample of fuel from the diesel oil storage tank, obtained in accordance with ASTM-D270-65, is within the acceptable limits specified in table 1 of ASTM D475-74 when checked for viscosity, water, and sediment". The technical specification change was reviewed by plant staff and the assignment was made to the responsible engineer for surveillance procedure development. The ASTM standard was reviewed and it was determined based on the system configuration and continuous mixing that the sampling technique in use was adequate. The surveillance procedure for sampling of the diesel oil tank (EIIS System: DC) was reviewed by the Operations Committee and approved on March 3, 1978. Based on questions recently raised by a member of an INPO evaluation team, it was determined by the system engineer that the sample for this surveillance was not being obtained in accordance with ASTM D270-65. This is a condition prohibited by Technical Specifications and is therefore reportable under 10 CFR Part 50, Section 50.73(a)(2)(i).

The Standard Method of Sampling Petroleum and Petroleum Products, ASTM D-270-65, provides guidance to insure samples are representative of the petroleum product in the tank or process stream. To prevent stratification of the sample a sample probe which insures a representative sampling of the process stream should be used or a sample should be manually taken from different levels of the tank. The current sample point does not have a sample probe which meets these standards and representative samples from different tank levels were not taken.

To insure that the quality of diesel oil was in compliance a sample was collected in accordance with the standard. The laboratory results were in agreement with samples taken prior to February 7, 1992.

CAUSE

The cause of this event was inadequate review of the ASTM standard in relation to the diesel oil sample system. The system engineer did not ensure that the sample was obtained in accordance with the ASTM standard. This was a cognitive error by the engineer and was not contrary to an approved procedure. There were no unusual characteristics that directly contributed to the error.

**LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION**

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TEXT (If more space is required, use additional NRC Form 366A's) (17)

ANALYSIS

Even though the sampling technique did not fully comply with the standard it is believed that the sampling has been representative of the tank volume. This is based on the configuration of the sample system which induces turbulent flow and the continuous mixing of the diesel oil tank. There have been no fuel oil related problem with the diesel fire pump. Analysis of the sample taken on February 7, 1992 per ASTM D270-65 indicated that the results were consistent with samples taken and analyzed prior February 7, 1992.

This event could not have occurred under more severe conditions. During the time when the fire suppression system was required to be operable the two electric motor driven fire pumps were operable. The diesel driven fire pump was considered to be operable based on a history of satisfactory completion of operability testing.

CORRECTIVE ACTIONS

Action completed:

1. A fuel oil sample was taken and analyzed in accordance with the ASTM standard.
2. The Fuel Oil sample surveillance was revised to sample per ASTM D270-65 standard.

Action to be completed:

1. A revision of the Fire Protection Technical Specification will be pursued to reflect the updated ASTM standard for fuel sampling.

ADDITIONAL INFORMATION

FAILED COMPONENT IDENTIFICATION

NONE

PREVIOUS SIMILAR EVENTS

NONE