

**ENCLOSURE 4 CONTAINS SECURITY-RELATED INFORMATION  
WITHHOLD UNDER 10 CFR 2.390**

**WHEN SEPARATE FROM ENCLOSURE 4 THIS DOCUMENT IS DECONTROLLED**



2807 West County Road 75  
Monticello, MN 55089

February 11, 2021

L-MT-21-004  
10 CFR 50.71(e)  
10 CFR 50.59(d)(2)

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

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

Submittal of Revision 38 to the Updated Safety Analysis Report

Pursuant to 10 CFR 50.71(e), Revision 38 to the Monticello Nuclear Generating Plant (MNGP) Updated Safety Analysis Report (USAR) is provided. This revision completes an update of the information in the USAR for the period from October 16, 2019, to December 15, 2020.

The changes in this revision reflect the incorporation of modifications, license amendments, and editorial corrections and clarifications. These changes are made in accordance with the guidance provided in Nuclear Energy Institute (NEI) Report NEI 98-03, "Guidelines for Updating Final Safety Analysis Reports", Revision 1, dated June 1999 and Regulatory Guide 1.181, "Content of the Updated Final Safety Analysis Report in accordance with 10 CFR 50.71(e)", dated September 1999.

Enclosure 1, "Report of Changes, Tests and Experiments", states that there were no 10 CFR 50.59 evaluations performed. This report is provided as required by 10 CFR 50.59(d)(2).

Enclosure 2, "Report of Changes to Licensee Docketed Commitments", indicates that in accordance with the guidance provided in NEI 99-04, "Guidelines for Managing NRC Commitment Changes", dated July 1999, for this period, there was one change to commitments.

Enclosure 3, "Summary of Information Removed from the USAR", provides the information removed from the USAR for this revision cycle. This information is provided in accordance with Revision 1 of NEI 98-03 and Regulatory Guide 1.181.

Enclosure 4 contains Revision 38 of the MNGP USAR. The USAR is being submitted electronically, in its entirety, on CD-ROM according to the instructions in Regulatory Issue

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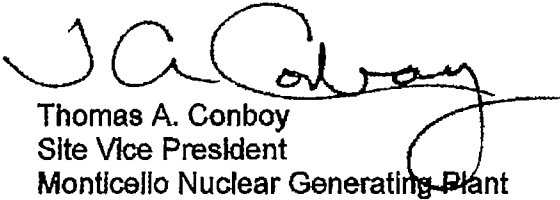
Summary (RIS) RIS 2001-005, "Guidance on Submitting Documents to the NRC by Electronic Information Exchange or on CD-ROM".

Enclosure 5, "Report of Changes to the Monticello Fire Protection Program", provides a summary of changes to the program. Changes to the Fire Protection Program are provided in accordance with the guidance contained in Generic Letter 86-10, "Implementation of Fire Protection Requirements", dated April 24, 1986.

Summary of Commitments

This letter contains no new commitments.

In accordance with 10 CFR 50.71(e)(2), I certify that the information presented herein, accurately presents changes made since the previous submittal prepared pursuant to Commission requirement and identifies changes made under the provisions of 10 CFR 50.59 not previously submitted to the Commission.



Thomas A. Conboy  
Site Vice President  
Monticello Nuclear Generating Plant  
Northern States Power Company – Minnesota

Enclosures (5)

cc: Administrator, Region III, USNRC  
Resident Inspector, Monticello, USNRC (without enclosure 4)

## ENCLOSURE 1

### **MONTICELLO NUCLEAR GENERATING PLANT REPORT OF CHANGES, TESTS AND EXPERIMENTS**

The following includes a brief description and summary of the 10 CFR 50.59 evaluation for those changes, tests and experiments that were carried out without prior U.S. Nuclear Regulatory Commission (NRC) approval, pursuant to the requirements of 10 CFR 50.59(d)(2).

- For the period October 16, 2019 to December 15, 2020 there were no 50.59 evaluations performed.

## ENCLOSURE 2

### MONTICELLO NUCLEAR GENERATING PLANT REPORT OF CHANGES TO LICENSEE DOCKETED COMMITMENTS

Commitments are identified and reported to the Commission in accordance with guidance provided in NEI Technical Report 99-04 Revision 0, "Guidelines for Managing NRC Commitment Changes."

This enclosure provides a brief description and a summary of changes to commitments established with the NRC by the Monticello Nuclear Generating Plant (MNGP) per NEI 99-04 guidelines for the time period from October 16, 2019 through December 15, 2020 one change is being reported.

For Revision 38:

1. Commitment Tracking Number:

M89188A

Commitment source document:

The original letter was in response to GL 88-14 Instrument Air Supply Problems System Problems Affecting Safety-Related Equipment dated February 17, 1989.

Original Commitment wording:

All major instrument air delivery components receive preventative maintenance annually.

Justification:

The air compressors as referenced in this commitment, M89188A, are subject to the maintenance rule and the preventative maintenance is now governed by 10 CFR 50.65, therefore the commitment is no longer required to be tracked as a regulatory commitment and was retired.

## ENCLOSURE 3

### MONTICELLO NUCLEAR GENERATING PLANT SUMMARY OF INFORMATION REMOVED FROM THE USAR

Consistent with the guidance in Nuclear Energy Institute (NEI) Report NEI 98-03, "Guidelines for Updated Final Safety Analysis Reports," Revision 1 and Regulatory Guide 1.181, "Content of the Updated Final Safety Analysis Report in Accordance With 10 CFR 50.71(e)," Information removed from the Monticello Nuclear Generating Plant Updated Safety Analysis Report (USAR) is summarized below.

- USAR Change 604000000451

Affected sections:

Section USAR-12, Plant Structures and Shielding

12.4, Radioactive Materials Safety

Deletion of statement in section 12.4 referenced an NRC submittal that described the Station's Radioactive Material Safety Program as it existed in 1974. The content is now obsolete.

12.5, References

Deletion of Reference 82 since reference is no longer used in USAR discussion.

- USAR Change 604000000470

Affected sections:

Section USAR-J, Appendix J Fire Protection Program

J.4.5.3, Circuit Analysis

Deletion of non-category 2 spurious operations components.

- USAR Change 604000000421

Affected sections:

Section USAR-J, Appendix J Fire Protection Program

Attachment E

Deletion of Attachment E eliminates duplication of information within USAR-J.05.

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ENCLOSURE 4

MONTICELLO NUCLEAR GENERATING PLANT

USAR REVISION 38

SEE ENCLOSED CD-ROM

~~ENCLOSURE 4 CONTAINS SECURITY RELATED INFORMATION  
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## ENCLOSURE 5

### MONTICELLO NUCLEAR GENERATING PLANT REPORT OF CHANGES TO THE MONTICELLO FIRE PROTECTION PROGRAM

This enclosure contains a report of changes to the Monticello Fire Protection Program (FPP) in accordance with the provisions of Generic Letter (GL) 86-10.

In conformance with GL 86-10, the Updated Fire Hazards Analysis (UFHA) and the Safe Shutdown Analysis (SSDA) are incorporated directly into the Updated Safety Analysis Report (USAR) as Appendix J.5 and J.4 respectively. The following summarizes fire protection program document changes since the previous submittal.

#### 1. USAR J.04, SAFE SHUTDOWN ANALYSIS

##### Revision 38

- Licensing Document Change 604000000513
  - Section J.4.2 updated amount of exemptions from Four to Five.
  - Table J.4.5-3 was updated to remove an out of date reference and update the disposition for MSIVs.
- Licensing Document Change 604000000470
  - Page 121, removed non-category 2 spurious operations components.

#### 2. USAR J.05, FIRE HAZARDS ANALYSIS

##### Revision 38

- Licensing Document Change 604000000421
  - Page 3, deleted Attachment E of USAR-J.05 from Table of Contents.
  - Fire Hazard Analysis Matrix for Fire Zone 7B corrected FPEE-12-002 to FPEE-19-002
  - Fire Hazard Analysis Matrix for Fire Zone 8 and 10 added South/C205 Dampers (V-DF-404, V-DF-413, and V-DF-414) acceptability of the fire damper rating is documented in FPEE-19-001 to the Comments Section.
  - Fire Hazard Analysis Matrix for Fire Zone 12A added West Fire Door, Door-15, acceptability of the fire door rating is documented in FPEE-13-004 to the Comments Section.
  - Fire Hazard Analysis Matrix for Fire Zone 12E added East Fire Door, Door-15, acceptability of the fire door rating is documented in FPEE-13-004 to the Comments Section.
  - Fire Hazard Analysis Matrix for Fire Zone 13B added additional barrier acceptability discussion regarding CA-02-103 the Comments Section Items 1, 3, and 4.

- Fire Hazard Analysis Matrix for Fire Zone 15B added Fire Zone 15A(Trench) barrier rating acceptability is documented in FPEE-15-001 to the Comments Section.
- Attachment D added MOD 02Q230 to Summary Description for CR 02004912, CR02008132, CR 02008344, CR 02008349, CR 02008354, CR 02008444, CR 02008450, CR 02008625, CR 02008632, CR 02008636.
- Attachment D added FPEE-05-001, FPEE-19-001, and FPEE-19-002.
- Attachment E Deleted and incorporated into Fire Hazard Analysis Matrices and other Attachments.

3. 4 AWI-08.01.00, FIRE PROTECTION PROGRAM PLAN

Revision 24

- Procedure Change Request 602000015895
  - 4.0 revised Operating Experience lanagauge to align with fleet requirements.
  - 4.4.3.A.1.a, removed out of date software for eye exam requirements.

4. B.08.05-05, FIRE PROTECTION – SYSTEM OPERATION, TABLES A.2-1, A.2-2, A.2-3 AND A.2-4

Revision 77

- PCR 602000012564
  - Table A.2-1 – None
  - Table A.2-2 – The surveillance frequency for the functional check of the ASDS control circuit was changed from 24 months to 48 months under STRIDE MT-2018-ASD-13.
  - Table A.2-3 – None
  - Table A.2-4 – Included guidance on functionality requirement for Door-125 and fire dampers V-DF-404, V-DF-413, and V-DF-414 and their impact on the functionality of the halon suppression system in the Cable Spreading Room. Also, changed 'System Engineer' to 'Fire Protection Engineer'.

Revision 78

- PCR 602000012966
  - Table A.2-1 – None
  - Table A.2-2 – None
  - Table A.2-3 – None
  - Table A.2-4 – Revised Section G.8 – Reset Deluge Valves to add placekeeping and update language for performing steps.

Revision 79

- PCR 602000014366



- Table A.2-1 – Added LC-104 and 1AR as support systems to Specification H.1 – Alternate Shutdown System Panel.
- Table A.2-2 – Removed Specification H.2 to align with Table A.2-1 Specification H.
- Table A.2-3 – None
- Table A.2-4 – Removed reference to Passport and replaced with “See component data base for valves related to the system”.

Revision 80

▪ PCR 602000017643

- Table A.2-1 – Specification B.3 revised to add “(Reference MOC 608000000592 for Engineering Evaluation FPEE-20-002 (Alternate Compensatory Measure for 2 Fire Pumps Out of Service or Non-Functional) to document acceptable alternate compensatory measures for 2 fire pumps non-functional)”
- Table A.2-2 – None
- Table A.2-3 – None
- Table A.2-4 – None

**ENCLOSURE 4 – DISC 1**

**MONTICELLO NUCLEAR GENERATING PLANT  
USAR REVISION 38**

**ENCLOSED CD-ROM**

<u>File Name Rev. 38</u>	<u>File Size (KB)</u>
001 – USAR LOEP	168
002 – USAR TOC	119
003 – USAR Section 1	716
004 – USAR Section 2	1,887
005 – USAR Section 3	1,928
006 – USAR Section 4	2,032
007 – USAR Section 5	3,248
008 – USAR Section 6	1,721
009 – USAR Section 7	2,334
010 – USAR Section 8	1,182
011 – USAR Section 9	350
012 – USAR Section 10	770
013 – USAR Section 11	1,225
014 – USAR Section 12	753
015 – USAR Section 13	319
016 – USAR Section 14	5,438
017 – USAR Section 15-1	136
017 – USAR Section 15-2 DRAWING SET - Part 1 of 2	12,799
017 – USAR Section 15-3 DRAWING SET - Part 2 of 2	14,444
018 – USAR Appendix A	7,691
019 – USAR Appendix C	61
020 – USAR Appendix D	349
021 – USAR Appendix E	492
022 – USAR Appendix F	10,383
023 – USAR Appendix G	2,582
024 – USAR Appendix H	10,763
025 – USAR Appendix I	594
026 – USAR Appendix J	4,973
027 – USAR Appendix K	551

**ENCLOSURE 4 – DISC 2 – Security Related Information**

**MONTICELLO NUCLEAR GENERATING PLANT  
USAR REVISION 38**

**ENCLOSED CD-ROM**

<u>File Name Rev. 38</u>	<u>File Size (KB)</u>
006 – USAR Section 04	50
007 – USAR Section 05	47
016 – USAR Section 14-1	44
016 – USAR Section 14-2	46
016 – USAR Section 14-3	47
017 – USAR Section 15 DRAWING SET	7,526
018 – USAR Appendix A	1,003
025 – USAR Appendix I	3,995
026 – USAR Appendix J	56