



2807 West County Road 75
Monticello, MN 55362

May 13, 2026

L-MT-26-020
10 CFR 50.36
Tech Spec 5.5.1
Tech Spec 5.6.2

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

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

2025 Annual Radioactive Effluent Release Report

Pursuant to 10 CFR 50.36a, "Technical specifications on effluents from nuclear power reactors," paragraph (a)(2), and in accordance with Monticello Nuclear Generating Plant (MNGP) Technical Specification (TS) Section 5.5.1. "Offsite Dose Calculation Manual (ODCM)," and 5.6.2 "Radioactive Effluent Release Report," the Northern States Power Company (NSPM), a Minnesota corporation, d/b/a Xcel Energy, is submitting the following enclosures:

Enclosure 1 – Annual Radioactive Effluent Release Report for January 1 - December 31, 2025

Enclosure 2 – 2023 MNGP Annual Radioactive Effluent Release Report Errata for
January 1 – December 31, 2023

Enclosure 3 – 2024 MNGP Annual Radioactive Effluent Release Report Errata for
January 1 – December 31, 2024

Enclosure 4 - Offsite Dose Calculation Manual

Summary of Commitments

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



Michelle M. Neal
Plant Manager, Monticello Nuclear Generating Plant
Northern States Power Company – Minnesota

Enclosures (4)

cc: Administrator, Region III, USNRC
Project Manager, Monticello, USNRC
Resident Inspector, Monticello, USNRC
Minnesota Department of Commerce

ENCLOSURE 1

ANNUAL RADIOACTIVE EFFLUENT RELEASE REPORT

JANUARY 1 – DECEMBER 31, 2025

55 Pages Follow

ENCLOSURE 2

2023 ARRER Errata

JANUARY 1 – DECEMBER 31, 2023

3 Pages Follow

ENCLOSURE 3

2024 ARRER Errata

JANUARY 1 – DECEMBER 31, 2024

10 Pages Follow

ENCLOSURE 4

OFFSITE DOSE CALCULATION MANUAL

The Offsite Does Calculations Manual for the Monticello Nuclear Generating Plant is comprised of the following document:

| <u>Document Number</u> | <u>Title</u> | <u>Revision</u> |
|------------------------|---|-----------------|
| ODCM-01.01 | Introduction | 10 |
| OCDM-02.01 | Liquid Effluents | 18 |
| ODCM-03.01 | Gaseous Effluents | 18 |
| ODCM-04.01 | Liquid Effluents Calculations | 5 |
| ODCM-05.01 | Gaseous Effluent Calculations | 17 |
| ODCM-06.01 | Dose from All Uranium Fuel Cycles Sources | 4 |
| ODCM-07.01 | Radiological Environmental Monitoring Program | 27 |
| ODCM-08.01 | Reporting Requirements | 9 |
| ODCM-APP-A | Appendix A | 7 |
| ODCM-APP-B | Appendix B | 2 |
| ODCM-APP-C | Appendix C | 0 |
| ODCM-History | ODCM History | 0 |

341 Pages Follow