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Northern States Power Company

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

April 1, 1986

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Regional Administrator
Region III
U S Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Monticello Nuclear Generating Plant
Docket No. 50-623 License No. DPR-22

Page Revisions to Effluent and Waste Disposal
Semi-Annual Report for July 1, 1985 through December 31, 1985

The Semi-Annual Effluent and Waste Disposal Report for July 1, 1985 through December 31, 1985 has been revised to incorporate Sr-89 and Sr-90 analysis results that arrived from our contractor too late to be incorporated in the report submitted on March 1, 1986.

Please replace pages 3, 6, 7 and 8 of the subject report with the attached, revised pages.

F. L. Fey, Jr.

F. L. Fey, Jr., General Superintendent
Radiological Protection and Chemistry
Nuclear Generation Department

Attachment

- cc: U S NRC, Document Control Desk (1)
- G. Charnoff (w/o attachment)
- MPCA
- Attn: J W Ferman
- Resident Inspector, US NRC
- Project Manager, US NRC
- Bert Clark
- File

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Northern States Power Company

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

March 1, 1986

Regional Administrator
Region III
U S Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Corrections
inserted

Monticello Nuclear Generating Plant
Docket No. 50-623 License No. DPR-22

Effluent and Waste Disposal Semi-Annual Report
for July 1, 1985 through December 31, 1985

In accordance with the Monticello Technical Specifications, Appendix A to Operating License DPR-22, we are submitting one copy of the Effluent and Waste Disposal Semi-Annual Report covering the last half of 1985.

Analyses for isotopes Sr-89 and Sr90 were not completed for Quarter 4 in time to be included in this report. A separate submittal will be made when they are available.

F. L. Fey, Jr., General Superintendent
Radiological Protection and Chemistry
Nuclear Generation Department

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BWC022186GDW01

1. MONTICELLO NUCLEAR GENERATING PLANT
NORTHERN STATES POWER COMPANY

Period: Jul - Dec 1985
License No. DPR-22

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT

Supplemental Information

1. Regulatory Limits - Quarterly levels requiring reporting
to Nuclear Regulatory Commission

A. Noble Gases:

5 mrad/quarter gamma radiation
10 mrad/quarter beta radiation

B. Long Lived Iodines, Particulates, and Tritium:

7.5 mrem/quarter to any organ

C. Liquid Effluents:

1.5 mrem/quarter dose to the total body
5.0 mrem/quarter dose to any organ

2. Maximum Permissible Concentrations:

A. Noble Gases:

10 CFR Part 20, Appendix B, Table II, Column 1

B. Long Lived Iodines, Particulates, and Tritium:

10 CFR Part 20, Appendix B, Table II, Column 1

C. Liquid Effluents:

10 CFR Part 20, Appendix B, Table II, Column 2
2 E-04 uci/ml for dissolved and entrained gases

3. Average Energy:

(Not Applicable)

ONTICELLO NUCLEAR GENERATING PLANT
 ORTHERN STATES POWER COMPANY

Period: Jul - Dec 1985
 License No. DPR-22

EFFLUENT AND WASTE DISPOSAL SEMIANNUAL REPORT

Supplemental Information (continued)

Measurements and Approximations of Total Radioactivity:

A. Noble Gases:

Continuous gross activity monitors in Reactor Building Vent and plant stack exhaust streams. Weekly isotopic analysis of steam jet air ejector stream. Monthly analysis of storage tank contents.

B. Iodines in Gaseous Effluent:

Continuous monitoring with charcoal cartridges in Reactor Building vent and plant stack exhaust streams with weekly analysis.

C. Particulates in Gaseous Effluent:

Continuous monitoring with particulate filters in Reactor Building vent and plant stack exhaust streams with weekly analysis.

D. Tritium in Gaseous Effluent:

Continuous monitoring with silica gel cartridges in Reactor Building vent and plant stack exhaust streams with biweekly analysis.

E. Liquid Effluents:

Tank sample analyzed prior to each planned release and continuous monitoring of gross activity during planned release.

Batch Releases:

A. Liquid:

1. Number of Batch Releases	0	
2. Total Time Period For Batch Releases	0.0	Min
3. Maximum Time Period for a Batch Release	0.0	Min
4. Average Time Period for a Batch Release	0.0	Min
5. Minimum Time Period for a Batch Release	0.0	Min
6. Average River Flow During Releases	0.0	Cf/sec

B. Gaseous:

1. Number of Batch Releases	0	
2. Total Time Period for Batch Releases	NA	Min
3. Maximum Time Period for a Batch Release	NA	Min
4. Average Time Period for a Batch Release	NA	Min
5. Minimum Time Period for a Batch Release	NA	Min

Abnormal Releases:

A. Liquid:

1. Number of Releases	0	
2. Total Activity Released	0.0	Ci

B. Gaseous:

1. Number of Releases	0	
2. Total Activity Released	0.0	Ci



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Docket No. 50-623 License No. DPR-22

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SUBJECT: Forwards revised Pages 3, 6, 7 & 8 to "Effluent & Waste Disposal Semiannual Rept, Jul-Dec 1985," incorporating Sr-89 & Sr-90 analysis results.

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Handwritten signature: H. Wayne