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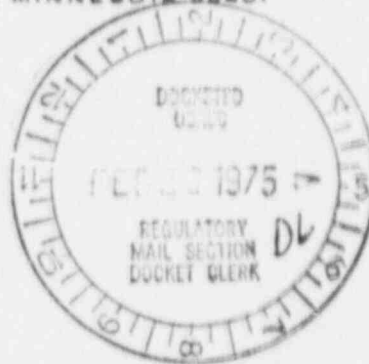
Regulatory Support File

NORTHERN STATES POWER COMPANY

MINNEAPOLIS, MINNESOTA 55401

February 17, 1975

Mr. A. Giambusso, Director
Division of Reactor Licensing
U S Nuclear Regulatory Commission
Washington, DC 20555



Dear Mr. Giambusso:

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

Annual Report of Primary Coolant
Leakage to Drywell

This report is submitted in accordance with Section 6.7.C of Appendix A, Technical Specifications, of the Provisional Operating License for the Monticello Nuclear Generating Plant. It is a summary of coolant to drywell leakage rate measurements for the period of January 1 through December 31, 1974.

Drywell leakage is broadly classified as being from identified or unidentified sources. Identified leakage is piped from the recirculation pump seals, various valve stem leak-offs, the reactor vessel flange leak-off, bulkhead drains, and vent cooler drains to the drywell closed radwaste sump. All other leakage is collected in the drywell open radwaste sump and classified as unidentified leakage. Drywell leakage is calculated daily using flow integrators installed in the pump discharge line of each sump. Accuracy of measurement is better than $\pm 3\%$. Drywell leakage is also continuously monitored by the plant process computer using changes in open and closed drywell radwaste sump level sensed by special level transmitters installed for that purpose. Sensitivity of this system to coolant leakage changes is better than 0.4 GPM.

Table I is a summary of drywell coolant leakage measurements for 1974. As noted in the Table, all leakage remained well below the Technical Specification Limits of 5 GPM for unidentified leakage and 25 GPM for total leakage.

Yours truly,

L O Mayer, PE
Manager of Nuclear Support Services

LOM/DMM/yb

cc: J G Keppler
G Charnoff
Minnesota Pollution Control Agency
Attn: E A Pryzina

attachment 9102110308 750217
PDR ADOCK 05000263
PDR

1861

Table I Summary of Coolant Leakage to Drywell-1974

Month	Leakage from Known Sources (GPM)			Leakage from Unknown Sources (GPM)			Total Leakage (GPM)			Remarks
	Highest	Lowest	Avg	Highest	Lowest	Avg	Highest	Lowest	Avg	
JAN	5.34	2.44	3.13	0.65	0.0	0.25	5.47	2.82	3.38	
FEB	3.70	2.40	3.13	0.40	0.0	0.15	3.70	2.28	3.28	
MAR	3.84	2.32	3.35	0.82	0.0	0.18	4.49	2.32	3.53	Refueling outage March 16 - May 17
APR	---	---	---	---	---	---	---	---	---	
MAY	2.19	0.06	1.07	0.13	0.0	0.04	2.32	0.06	1.10	
JUN	1.79	0.26	1.32	0.13	0.0	0.04	1.92	0.38	1.36	
JUL	1.85	0.90	1.43	0.24	0.0	0.10	2.93	0.90	1.53	
AUG	1.69	1.17	1.38	0.25	0.0	0.09	1.80	1.17	1.47	
SEP	2.10	1.29	1.42	0.20	0.0	0.07	2.20	1.28	1.49	
OCT	1.46	1.15	1.31	0.18	0.0	0.07	1.53	1.26	1.38	
NOV	1.44	0.13	0.95	0.25	0.0	0.04	1.54	0.13	1.00	
DEC	1.31	1.10	1.22	0.47	0.0	0.07	1.76	1.10	1.29	
YEAR	5.34	2.44	1.79	0.82 (16.4%*)	0.0	0.10 (2.0%*)	5.47 (21.9%*)	0.06 (7.6%*)	1.89	

*Percentage of Technical Specification Limit.

CONTROL NO: 1861

FILE: INCIDENT REPORT

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TO: Mr. A. Giambusso		ORIG 1 signed	CC 30	OTHER	SENT AEC PDR SENT LOCAL PDR		XX XX
CLASS	UNCLASS XXX	PROP INFO	INPUT	NC CYS REC'D 40	DOCKET NO: 50-263		

DESCRIPTION: Ltr reporting annual report of primary coolant leakage to drywell for the period Jan. 1 thru Dec. 31, 1974..... *w/attachment.*

ENCLOSURES:

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Do Not Remove

PLANT NAME: Monticello Plant

FOR ACTION/INFORMATION DHL 2-20-75

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