

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL  
(TEMPORARY FORM)

CONTROL NO: 1861

FILE: INCIDENT REPORT

FROM: Northern States Power Co. Minneapolis, Minn. 55401 L.O. Mayer		DATE OF DOC 2-17-75	DATE REC'D 2-20-75	LTR XX	TWX	RPT	OTHER
TO: Mr. A. Giambusso		ORIG 1 signed	CC 39	OTHER	SENT AEC PDR <u>XX</u> SENT LOCAL PDR <u>XX</u>		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO 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/attach.*

ENCLOSURES:

**ACKNOWLEDGED**  
**Do Not Remove**

PLANT NAME: Monticello Plant

FOR ACTION/INFORMATION

DHL 2-20-75

BUTLER (S)	SCHWENCER (S)	<input checked="" type="checkbox"/> ZIEMANN (S)	REGAN (E)
W/ Copies	W/ Copies	W/ <u>4</u> Copies	W/ Copies
CLARK (S)	STOLZ (S)	DICKER (E)	LEAR (S)
W/ Copies	W/ Copies	W/ Copies	W/ Copies
PARR (S)	VASSALLO (S)	KNIGHTON (E)	SPEIS (S)
W/ Copies	W/ Copies	W/ Copies	W/ Copies
KNIEL (S)	PURPLE (S)	YOUNGBLOOD (E)	
W/ Copies	W/ Copies	W/ Copies	W/ Copies

INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILE	TECH REVIEW	DENTON	LIC. ASST.	A/T IND
<input checked="" type="checkbox"/> NRC PDR	<input checked="" type="checkbox"/> SCHROEDER	GRIMES	<input checked="" type="checkbox"/> DIGGS (S)	BRAITMAN
<input checked="" type="checkbox"/> OGC, ROOM P-506-A	<input checked="" type="checkbox"/> MACCARRY	GAMMILL	GEARIN (S)	SALTZMAN
<input checked="" type="checkbox"/> GOSSICK /STAFF	<input checked="" type="checkbox"/> KNIGHT	<input checked="" type="checkbox"/> KASTNER	GOULBOURNE (S)	B. HURT
<input checked="" type="checkbox"/> CASE	<input checked="" type="checkbox"/> PAWLICKI	BALLARD	KREUTZER (E)	
GIAMBUSO	<input checked="" type="checkbox"/> SHAO	SPANGLER	LEE (S)	PLANS
BOYD	<input checked="" type="checkbox"/> STELLO		MAIGRET (S)	MCDONALD
MOORE (S) (BWR)	<input checked="" type="checkbox"/> HOUSTON	ENVIRO	REED (E)	CHAPMAN
DEYOUNG (S) (PWR)	<input checked="" type="checkbox"/> NOVAK	MULLER	SERVICE (S)	DUBE w/input
SKOVHOLT (S)	<input checked="" type="checkbox"/> ROSS	DICKER	SHEPPARD (S)	E. COUPE
GOLLER (S)	<input checked="" type="checkbox"/> IPPOLITO	KNIGHTON	SLATER (E)	<input checked="" type="checkbox"/> R. Hartfield (2)
P. COLLINS	TEDESCO	YOUNGBLOOD	SMITH (S)	<input checked="" type="checkbox"/> KLECKER
DENISE	<input checked="" type="checkbox"/> LONG	REGAN	TEETS (S)	<input checked="" type="checkbox"/> F. WILLIAMS
REG OPR	<input checked="" type="checkbox"/> LAINAS	PROJECT LDR	WILLIAMS (E)	
<input checked="" type="checkbox"/> FILE & REGION	<input checked="" type="checkbox"/> BENAROYA		WILSON (S)	
<input checked="" type="checkbox"/> T.R. WILSON	<input checked="" type="checkbox"/> STEELE <input checked="" type="checkbox"/> VOLIMER	HARLESS	INGRAM (S)	

EXTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> 1-LOCAL PDR Minneapolis, Minn.	(1) (2) (10) -NATIONAL LABS	1-PDR SAN/LA/NY
<input checked="" type="checkbox"/> 1-TIC (ABERNATHY)	1-W. PENNINGTON, RM E-201 G.T.	1-BROOKHAVEN NAT LAB
<input checked="" type="checkbox"/> 1-NSIC (BUCHANAN)	1-CONSULTANTS	1-G. ULRIKSON, ORNL
1-ASLB	NEWMARK/BLUME/AEBABIAN	1-AGMED (RUTH GUSSMAN)
1-NEWTON ANDERSON		RM B-127 G.T.
<input checked="" type="checkbox"/> 5-ACRS SENT TO LIC. ASST.		1-J. RUNKLES, RM E-201
R. Diggs 2-21-75		G.T.

# NSP

## Regulatory Docket File

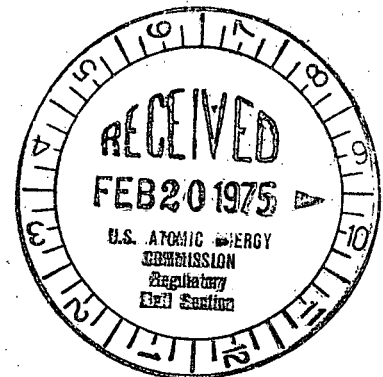
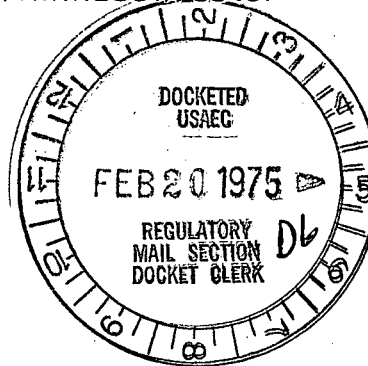
NORTHERN STATES POWER COMPANY

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

1861

# Regulatory Docket File

2-12-25

Table I Summary of Coolant Leakage to Drywell-1974

Month	<u>Leakage from Known Sources (GPM)</u>			<u>Leakage from Unknown Sources (GPM)</u>			<u>Total Leakage (GPM)</u>			Remarks
	<u>Highest</u>	<u>Lowest</u>	<u>Avg</u>	<u>Highest</u>	<u>Lowest</u>	<u>Avg</u>	<u>Highest</u>	<u>Lowest</u>	<u>Avg</u>	
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.