

September 30, 1985  
(NMP2L 0499)

Mr. Walter Butler, Chief  
Licensing Branch No. 2  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555

Dear Mr. Butler:

Re: Nine Mile Point Unit 2  
Docket No: 50-410

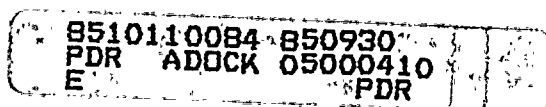
Enclosed for your use are results of preliminary leak testing of the main steam isolation valves for Nine Mile Point Unit 2. This information is provided to close Safety Evaluation Report open issue #6. Testing was performed by pressurizing between the ball valve seats, and includes bonnet and stem leakage. The values should be compared to the acceptance criteria (14 scfh) established in our letter dated November 30, 1985.

Very truly yours,

*C. V. Mangan*  
C. V. Mangan  
Senior Vice President

CVM/NLR/dd  
Enclosure  
0962G

xc: R. A. Gramm, NRC Resident Inspector  
Project File (2)



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Location: EL 240  
AZ 240

Rev. 0  
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Isolation Valve No. 2MS5-HYV6A

Test Data Sheet

S Q	Time (Hr/Min)	Leakrate (SCFH)	Press. (PSIG)	Temp. (°F)	S Q	Time (Hr/Min)	Leakrate (SCFH)	Press. (PSIG)	Temp. (°F)
1	1100	.89	42	72	11	1110	.91	42	72
2	1101	.87	42	72	12	1111	.91	42	72
3	1102	.87	42	72	13	1112	.91	42	72
4	1103	.82	42	72	14	1113	.89	42	72
5	1104	.89	42	72	15	1114	.85	42	72
6	1105	.89	42	72					
7	1106	.89	42	72					
8	1107	.89	42	72					
9	1108	.90	42	72					
10	1109	.90	42	72					

Average Leakage Rate .89 SCFH



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Location: EL 24  
AZ 240°

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Isolation Valve No. 2 MSS-HYUGB

Test Data Sheet

S	Q	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)	S	Q	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)
1		1320	1.38	42	71	11		1330	1.39	42	71
2		1321	1.38	42	71	12		1331	1.38	42	71
3		1322	1.39	42	71	13		1332	1.38	42	71
4		1323	1.32	42	71	14		1333	1.38	42	71
5		1324	1.34	42	71	15		1334	1.39	42	71
6		1325	1.37	42	71						
7		1326	1.37	42	71						
8		1327	1.36	42	71						
9		1328	1.41	42	71						
10		1329	1.35	42	71						

Average Leakage Rate 1.37 SCFH



Location: EL 8'  
AZ 240°

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Isolation Valve No. 2MSS-HyV 6C

Test Data Sheet

S Q	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)	S Q	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)
1	1400	.1250	42	70	11	1410	.330	42	70
2	1401	.285	42	70	12	1411	.329	42	70
3	1402	.301	42	70	13	1412	.337	42	70
4	1403	.314	42	70	14	1413	.335	42	70
5	1404	.330	42	70	15	1414	.347	42	70
6	1405	.318	42	70					
7	1406	.321	42	70					
8	1407	.322	42	70					
9	1408	.330	42	70					
10	1409	.335	42	70					

Average Leakage Rate .321 SCFH



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Location: EL 28'  
AZ 240°

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Isolation Valve No. 2MSS-HYV60

Test Data Sheet

S Q	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)	S Q	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)
1	1005	.95	42	72	11	1015	.99	42	72
2	1006	.95	42	72	12	1016	.95	42	72
3	1007	.97	42	72	13	1017	.97	42	72
4	1008	.99	42	72	14	1018	1.01	42	72
5	1009	.98	42	72	15	1019	1.04	42	72
6	1010	.98	42	72					
7	1011	1.01	42	72					
8	1012	1.06	42	72					
9	1013	.99	42	72					
10	1014	1.08	42	72					

Average Leakage Rate .99 SCFH



Location: EL 48'  
AZ 40°

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Isolation Valve No. 2MSS-HYV7A

Test Data Sheet

S Q	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)	S Q	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)
1	1359	.36	42	70	11	1409	.38	42	70
2	1400	.28	42	70	12	1410	.37	42	70
3	1401	.32	42	70	13	1411	.36	42	70
4	1402	.34	42	70	14	1412	.34	42	70
5	1403	.35	42	70	15	1413	.32	42	70
6	1404	.35	42	70					
7	1405	.33	42	70					
8	1406	.33	42	70					
9	1407	.34	42	70					
10	1408	.33	42	70					

Average Leakage Rate .34 SCFH



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Figure 1. The effect of the concentration of the *Agaricus bisporus* spores on the growth of *Agaricus bisporus* on the substrate.

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Location: EL 24  
AZ 240

REV. 0  
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Isolation Valve No. 2mss-HYV7B

Test Data Sheet

S Q	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)	S Q	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)
1	1514	2.67	42	70	11	1526	2.83	42	70
2	1517	2.68	42	70	12	1527	2.85	42	70
3	1518	2.68	42	70	13	1528	2.87	42	70
4	1519	2.70	42	70	14	1529	2.89	42	70
5	1520	2.72	42	70	15	1530	2.91	42	70
6	1521	2.73	42	70					
7	1522	2.75	42	70					
8	1523	2.79	42	70					
9	1524	2.80	42	70					
10	1525	2.81	42	70					

Average Leakage Rate 2.778 SCFH



Location: EL 2081  
AZ 240°

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Isolation Valve No. 2MS9-HyV2C

Test Data Sheet

S Q	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)	S Q	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)
1	1410	.76	42	70	11	1420	.83	42	70
2	1411	.75	42	70	12	1421	.81	42	70
3	1412	.76	42	70	13	1422	.81	42	70
4	1413	.77	42	70	14	1423	.83	42	70
5	1414	.76	42	70	15	1424	.83	42	70
6	1415	.81	42	70				42	70
7	1416	.81	42	70					
8	1417	.80	42	70					
9	1418	.80	42	70					
10	1419	.84	42	70					

Average Leakage Rate .798 SCFH





Location: EL  
AZ

48'  
240°

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Isolation Valve No. 2MSS-HYV7D

Test Data Sheet

ESIED		Readings AT 1 MIN INTERVAL	< 6 SCFH	H2	GAS					
SEQ	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)	SEQ	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)	
1	1105	.23	42	70	11	1115	.33	42	70	
2	1106	.30	42	70	12	1116	.28	42	70	
3	1107	.32	42	70	13	1117	.30	42	70	
4	1108	.35	42	70	14	1118	.33	42	70	
5	1109	.31	42	70	15	1119	.32	42	70	
6	1110	.34	42	70						
7	1111	.34	42	70						
8	1112	.24	42	70						
9	1113	.29	42	70						
10	1114	.32	42	70						

Average Leakage Rate .306

SCFH



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