NIAGARA MOHAWK

NIAGARA MOHAWK POWER CORPORATION/300 ERIE BOULEVARD WEST, SYRACUSE, N.Y. 13202/TELEPHONE (315) 474-1511

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
Senior Vice President

CVM/NLR/dd
Enclosure
0962G

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

B001
1/1

Location: EL 24'
AZ 240°

Isolation Valve No. 2MSS-HYV 6A

Test Data Sheet

SEQ	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)	SEQ	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

Location: EL 24[illegible]'
AZ 240°

Isolation Valve No. 2MSS-HYV6B

Test Data Sheet

SEQ	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)	SEQ	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 [illegible] 8'
AZ 240°

Isolation Valve No. 2MSS-HYV 6C

Test Data Sheet

SEQ	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)	SEQ	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG	Temp. (°F)
1	1400	.250	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

Location: EL [illegible]8'
AZ 240°

Isolation Valve No. 2MSS-HVV6D

Test Data Sheet

SEQ	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)	SEQ	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°

Isolation Valve No. 2MSS-HYV7A

Test Data Sheet

SEQ	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)	SEQ	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

Location: EL 24[illegible]
AZ 240

Isolation Valve No. 2MSS-HYV7B

Test Data Sheet

SEQ	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)	SEQ	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG	Temp. (°F)
1	1516	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 2[illegible]8'
AZ [illegible]°

Isolation Valve No. 2MSS-HyV7C

Test Data Sheet

SEQ	Time (Hr/Min)	Leakrate (SCFH)	Press (PSIG)	Temp. (°F)	SEQ	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 48'
AZ 240°

Isolation Valve No. 2MSS-HYV7D

Test Data Sheet

ESIRED | Readings at 1 min intervals | < 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