

DUQUESNE LIGHT COMPANY

Beaver Valley Unit No. 1

LOCAL LEAK RATE TEST

December 1984

TYPE 'B' AND 'C'

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DUQUESNE LIGHT COMPANY
Beaver Valley Power Station

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INTRODUCTION - Local Leak Rate Test 1984

This report contains a discussion of the Beaver Valley Power Station Unit No. 1 Type 'B' and Type 'C' Local Leak Rate Testing performed during the 1984 Refueling Outage. It has been prepared in accordance with the requirements of 10 CFR 50, Appendix J, Section V, Paragraph B.3. Part A summarizes the results of the Type 'B' Testing, and Part B summarizes the results of the Type 'C' Testing. It should be noted that Type 'A' Leak Testing was not performed during the 1984 Refueling Outage. Type 'A' Testing was last successfully completed during the 1982 Refueling Outage.

The combined leakage rate for all penetrations and valves subject to Type 'B' and 'C' Tests must be less than 60 percent of L_a (the maximum allowable leakage rate of Containment) in order to meet plant Technical Specifications. L_a is 0.10 percent by weight of the Containment air per 24 hours at P_a (53 psia).

L_a equals 0.10 percent by weight of Containment air volume (1,800,000 Ft^3) at 53 psia ($0.001 \times 1,800,000 \times 53/14.7$) = 6489.80 SCF/D; 60 percent of L_a equals 3893.88 SCF/D.

A. TYPE 'B' TEST RESULTS

Local Leakage Rate Testing for the Containment Electrical Penetrations (Type 'B' Testing) was performed during the months of November and December, 1984. The results were found to be acceptable.

The Local Leakage Rate Testing for the Containment Electrical Penetrations measures the leakage through the penetration O-ring seals on the bolt-on flanges and the leakage from the penetration canister. A summary sheet is included listing the electrical penetration leakage rates.

Other Type 'B' Leakage Rate Tests measure the leakage through the Personnel Airlock, the Emergency Personnel Airlock Flanges, the Fuel Transfer Tube, and Penetrations #111 and #112. The results of these tests are also included on the summary for reference.

A. TYPE 'B' TEST RESULTS (Continued)

Penetration Number	Leakage O-Ring Seal/Canister (SCCM)			Penetration Number	Leakage O-Ring Seal/Canister (SCCM)		
● 1-B	2.0	/	.01	5-B	2.0	/	2.0
● 1-D	2.0	/	.01	5-C	2.0	/	2.0
1-F	2.0/2.0*	/	N/A	5-D	2.0	/	2.0
● 2-B	2.0	/	.01	5-E	2.0	/	2.0
● 2-D	2.0	/	.01	5-F	2.0	/	2.2
● 2-F	2.0	/	.01	5-G	2.0	/	29.0
3-A	2.0	/	2.0	6-A	2.0	/	2.0
3-B	2.0	/	2.0	6-B	2.0/2.0*	/	N/A
3-C	2.0	/	2.0	6-C	2.0	/	2.0
3-D	2.0	/	2.0	6-D	2.0	/	2.0
3-E	2.0	/	2.0	6-E	2.0	/	2.0
3-F	2.0	/	2.0	6-F	2.0	/	2.0
3-G	2.0/2.0*	/	N/A	6-G	2.0	/	2.0
4-A	2.0	/	3.0	7-A	2.0/3.5*	/	N/A
4-B	2.0	/	2.4	7-B	2.0	/	5.0
4-C	2.0	/	33.0	7-C	2.0	/	3.2
4-D	2.0	/	36.0	7-D	2.0	/	2.0
4-E	2.0	/	2.0	7-E	2.0	/	2.0
4-F	2.0	/	2.0	7-F	2.0	/	2.0
4-G	2.0	/	10.0	7-G	2.0/2.0*	/	N/A
5-A	2.0	/	2.6	8-A	2.0	/	4.2
Totals Page 3	46.0	/	103.05		49.5	/	69.6

* Inside/Outside of Containment

● Pressure Decay Test Used to Determine Leak Rate

A. TYPE 'B' TEST RESULTS (Continued)

Penetration Number	Leakage O-Ring Seal/Canister (SCCM)			Penetration Number	Leakage O-Ring Seal/Canister (SCCM)		
8-B	2.0	/	2.0	11-B	2.0	/	2.0
8-C	2.0	/	2.0	11-C	2.0/2.0*	/	N/A
8-D	2.0	/	2.0	11-D	2.0	/	2.0
8-E	2.0	/	2.0	11-E	2.0	/	6.8
8-F	2.0/2.0*	/	N/A	11-F	2.0	/	2.0
8-G	2.0	/	2.0	11-G	2.0	/	2.0
9-A	2.0	/	2.0	12-A	2.0	/	2.0
9-B	2.0	/	2.0	12-B	2.0	/	6.5
9-C	2.0	/	5.0	12-C	2.0	/	2.0
9-D	2.0	/	2.0	12-D	2.0	/	12.0
9-E	2.0	/	2.0	12-E	2.0	/	2.0
9-F	2.0	/	2.0	12-F	2.0	/	2.0
9-G	2.0	/	16.0	12-G	2.0	/	2.0
10-A	2.0	/	12.4	13-A	2.0/2.0*	/	N/A
10-B	2.0	/	34.0	13-B	2.0/2.0*	/	N/A
10-C	2.0	/	17.7	13-C	2.0	/	2.0
10-D	2.0	/	2.0	13-D	2.0/2.0*	/	N/A
10-E	2.0	/	2.0	13-E	2.0	/	10.3
10-F	2.0	/	2.0	13-F	2.0	/	5.0
10-G	2.0	/	31.0	13-G	2.0	/	2.0
11-A	2.0	/	3.8	14-A	2.0	/	2.0
Totals Page 4	44.0	/	145.9		50.0	/	64.6

* Inside/Outside of Containment

• Pressure Decay Test Used to Determine Leak Rate

A. TYPE 'B' TEST RESULTS (Continued)

Penetration Number	Leakage O-Ring Seal/Canister (SCCM)			Penetration Number	Leakage O-Ring Seal/Canister (SCCM)		
14-B	2.0	/	2.0	16-A	2.0	/	2.0
14-C	2.0	/	2.0	16-B	2.0	/	2.0
14-D	2.0	/	2.0	16-C	2.0	/	2.0
14-E	2.0	/	2.0	16-D	2.0	/	2.0
14-F	2.0	/	2.0	16-E	2.0	/	2.0
14-G	2.0	/	10.0	16-F	2.0	/	2.0
15-A	2.0	/	2.0	16-G	2.0/2.0*	/	N/A
15-B	2.0	/	2.0	●17-B	2.0	/	.01
15-C	2.0	/	2.0	17-D	2.0/2.0*	/	N/A
15-D	2.0	/	3.8	17-F	2.0/2.0*	/	N/A
15-E	2.0	/	4.5	●18-B	2.0	/	.01
15-F	2.0	/	2.0	●18-D	2.0	/	.01
15-G	2.0	/	2.0	18-F	2.0/2.0*	/	N/A
				111	2.0	/	2.0
Totals Page 5	26.0	/	38.3		36.0	/	14.03

*Inside/Outside of Containment

● Pressure Decay Test Used to Determine Leak Rate

A. TYPE 'B' TEST RESULTS (Continued)

Totals	Leakage O-Ring Seal/Canister (SCCM)		
Page 3	95.5	/	172.65
Page 4	94.0	/	210.5
Page 5	62.0	/	52.33
Total Leakage (SCCM)	251.5	/	435.48
Total Leakage (SCF/D)	12.78	/	22.14

Electrical Penetrations	(12/7/84)	34.92 SCF/D
Personnel Airlock	(12/14/84)	.461 SCF/D
Equipment Hatch Outer Flange	(12/16/84)	.459 SCF/D
Equipment Hatch Inner Flange	(12/16/84)	.468 SCF/D
Emergency Personnel airlock	(12/18/84)	.479 SCF/D
Fuel Transfer Tube	(12/7/84)	.471 SCF/D
Penetration #111	(11/26/84)	.465 SCF/D
Penetration #112	(11/27/84)	.465 SCF/D
		<hr/>
TOTAL Type 'B' Leakage		38.188 SCF/D
		<hr/> <hr/>

A. TYPE 'B' TEST RESULTS (Continued)

CORRECTIVE ACTIONS SUMMARY

The following electrical penetration required maintenance due to a high leak rate:

<u>Penetration No.</u>	<u>MWR No.</u>	<u>Initial Leakage</u>	<u>Final Leakage</u>
6-G Canister	848317	160.SCCM	2.0 SCCM

The high leak rate on the 6-G Canister was due to a leaking section of tubing used to pressure check the canister. The tubing was repaired with a High Shear strength adhesive and the canister was then successfully leak tested.

B. TYPE 'C' TEST RESULTS

The purpose of Type 'C' Testing is to demonstrate the integrity of Containment Isolation Valves in accordance with Appendix J of the Title 10 Code of Federal Regulations Part 50 and BVPS Technical Specification 3.6.1.2.

A complete series of Type 'C' Tests together with the appropriate Type 'B' Tests were performed during the period of October 16, 1984 through December 16, 1984. The results of these tests met the applicable acceptance criteria and are reviewed on the accompanying tables.

Type C Test Results

1984 Performance

Pene- tration Number	Valve Tested	Date Tested	"As Found" Valve Leakage (SCF/D)	"As Left" Valve Leakage (SCF/D)	Penetration Leakage
1	MOV-CC-112A2 CCR-247	11-12-84	0.465 3.95	0.465 3.95	3.95
2	MOV-CC-112B3 CCR-252	11-13-84	0.466 22.6	0.466 22.6	22.6
4	MOV-CC-112A3 CCR-251	11-12-84	7.44 124.2	7.44 124.2	124.2
5	MOV-CC-112B2 CCR-248	11-12-84	0.466 0.566	0.466 0.566	0.566
8	TV-CC-107D1 TV-CC-107D2	11-5-84	3.16 1.24	3.16 1.24	3.16
9	TV-CC-111D1 TV-CC-111D2	11-5-84	0.465 11.28	0.465 11.28	11.28
11	TV-CC-110D TV-CC-110F1 & TV-CC-110F2	12-5-84	5.62 2.46	5.62 2.46	5.62
13	FP-827 TV-FP-107	10-23-84	0.465 0.465	0.465 0.465	0.465
14	TV-CC-110E3 TV-CC-110E2	12-6-84	0.469 0.469	0.469 0.469	0.469
16	TV-CC-111A1 TV-CC-111A2	12-14-84	2.28 704.366	2.28 253.54	253.54
17	TV-CC-103B1 TV-CC-103B	12-4-84	70.23 136.37	70.23 136.37	136.37
18	TV-CC-103C1 TV-CC-103C	12-5-84	23.86 130.6	23.86 130.6	130.6
19	MOV-CH-378 & CH-369 MOV-CH-381	11-13-84	34.8 0.465	34.8 0.465	34.8
20	SI-42 SI-41	11-15-84	1.39 0.465	1.39 0.465	1.39

Type C Test Results

1984 Performance

Pene- tration Number	Valve Tested	Date Tested	"As Found" Valve Leakage (SCF/D)	"As Left" Valve Leakage (SCF/D)	Penetration Leakage
24	RH-14 & RH-16 RH-15	10-31-84	3.077 4.21	3.077 4.21	4.21
25	TV-CC-105D1 TV-CC-105D2	12-4-84	176.24 34.9	65.55 34.9	65.55
26	TV-CC-107E1 TV-CC-107E2	12-10-84	177.92 6.25	75.2 6.25	75.2
27	TV-CC-105E1 TV-CC-105E2	11-5-84	33.9 .564	33.9 .564	33.9
28	TV-CH-200A,B,C & MOV-CH-142 & RV-CH-203 TV-CH-204	12-14-84	253.23 0.465	214.28 0.465	214.28
29	TV-DG-108A TV-DG-108B	12-2-84	18.98 10.92	18.98 10.92	18.98
31	TV-FP-105 FP-804	10-20-84	0.462 0.694	0.462 0.694	0.694
32	TV-FP-106 FP-800	10-20-84	3.24 0.462	3.24 0.462	3.24
38	TV-DA-100A TV-DA-100B	11-15-84	97.12 78.62	97.12 78.62	97.12
42	SA-15 SA-14	12-2-84	1.91 3.17	1.91 3.17	3.17
43	TV-CV-102-1 TV-CV-102	10-23-84	195.3 1.72	195.3 1.72	195.3
44	TV-CV-101A TV-CV-101B	12-8-84	69.63 *	5.11 2.23	5.11
45	RC-72 TV-RC-519	12-9-84	120.76 .466	.470 39.3	39.3
47	IA-90 IA-91	12-3-84	26.58 12.59	26.58 12.59	26.58

* Could Not Pressurize (See IR 84-85)

Type C Test Results

1984 Performance

Pene- tration Number	Valve Tested	Date Tested	"As Found" Valve Leakage (SCF/D)	"As Left" Valve Leakage (SCF/D)	Penetration Leakage
48	TV-DG-109A1 TV-DG-109A2	10-25-84	0.464 0.464	0.464 0.464	0.464
49	RC-68 TV-RC-101	10-29-84	* 7.41	23.03 7.41	23.03
53	TV-SI-101-1 TV-SI-101-2	10-24-84	24.09 24.56	24.09 24.56	24.56
55-1	TV-SS-109A1 TV-SS-109A2	10-30-84	0.463 0.463	0.463 0.463	0.463
55-2					
57-1	TV-LM-100A1	10-17-84	0.462	0.462	0.462
57-2	TV-LM-100A2		0.462	0.462	
97-3					
55-4	TV-SS-111A1 TV-SS-111A2	10-30-84	0.463 0.463	0.463 0.463	0.463
56-1	TV-SS-100A1 TV-SS-100A2	10-27-84	0.463 0.741	0.463 0.741	0.741
56-2	TV-SS-102A1 TV-SS-102A2	10-26-84	0.463 0.463	0.463 0.463	0.463
56-3	TV-SS-105A1 TV-SS-105A2	12-11-84	93.20 46.60	93.20 46.60	93.20
57-3	CV-35 TV-LM-101A	10-17-84	10.62 10.62	10.62 10.62	10.62
57-4	CV-36 TV-LM-101B	10-17-84	3.32 4.06	3.32 4.06	4.06
58	TV-CC-103A TV-CC-103A1	12-4-84	4.26 0.468	4.26 0.468	4.26

* Could Not Pressurize (See IR 84-85)

Type C Test Results

1984 Performance

Pene- tration Number	Valve Tested	Date Tested	"As Found" Valve Leakage (SCF/D)	"As Left" Valve Leakage (SCF/D)	Penetration Leakage
63	QS-4 MOV-QS-101B	11-4-84	46.29 171.3	46.29 171.3	171.3
64	QS-3 MOV-QS-101A	11-2-84	0.464 0.464	0.464 0.464	0.464
70	RS-101	10-22-84	17.62	17.62	17.62
71	RS-100	10-22-84	0.464	0.464	0.464
87	HY-111 HY-120	12-7-84	1.71 0.829	1.71 0.896	1.71
88	HY-110 HY-119	12-12-84	17.95 0.552	0.464 0.464	0.464
89	AS-278 TV-SV-100A	10-20-84	34.22 7.86	34.22 7.86	34.22
90	VS-D-5-3A & VS-D-5-3B	11-1-84	233.22	18.56	18.56
91	VS-D-5-5A & VS-D-5-5B & VS-D-5-6	10-27-84	*	8.83	8.83
92	HY-102 & TV-CV-150C HY-104 & TV-CV-150D	10-17-84	9.68 18.45	9.68 18.45	18.45
93	HY-101 & TV-CV-150B HY-103 & TV-CV-150A	10-17-84	4.61 5.53	4.61 5.53	5.53
94	HCV-CV-151 HCV-CV-151-1	10-19-84	0.463 6.02	0.463 6.02	6.02
95-64	SOV-HY-102B1 SOV-HY-102B2	10-16-84	0.461 0.461	0.461 0.461	0.461

* Could Not Pressurize (See IR 84-85)

Type C Test Results

1984 Performance

Pene- tration Number	Valve Tested	Date Tested	"As Found" Valve Leakage (SCF/D)	"As Left" Valve Leakage (SCF/D)	Penetration Leakage
95-69	SOV-HY-103B1 SOV-HY-103B2	10-16-84	0.461 0.461	0.461 0.461	0.461
95-72	SOV-HY-104B1 SOV-HY-104B2	10-16-84	0.461 0.461	0.461 0.461	0.461
97-1	TV-SS-104A1 TV-SS-104A2	11-3-84	0.464 0.464	0.464 0.464	0.464
97-2	TV-SS-103A1 TV-SS-103A2	11-3-84	0.464 0.464	0.464 0.464	0.464
103	PC-37 PC-38	10-18-84	5.54 0.462	5.54 0.462	5.54
104	PC-9 PC-10	10-19-84	0.463 0.463	0.463 0.463	0.463
105-2	TV-SS-112A1 TV-SS-112A2	10-30-84	0.463 0.463	0.463 0.463	0.463
106	MOV-SI-842 TV-SI-889	12-7-84	0.467 0.467	0.472 0.467	0.472
109-44	SOV-HY-102A1 SOV-HY-102A2	10-16-84	0.461 0.461	0.461 0.461	0.461
109-49	SOV-HY-103A1 SOV-HY-103A-	10-16-84	0.461 0.461	0.461 0.461	0.461
109-52	SOV-HY-104A1 SOV-HY-104A2	10-16-84	0.461 0.461	0.461 0.461	0.461
110	RC-277 RC-278	10-16-84	0.463 0.463	0.463 0.463	0.463

TYPE 'C' TEST RESULTS (Continued)

1984 Performance

Total Leak Rate

Total Type B Tests	38.188 SCF/D
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Total Type C Tests	1969.157 SCF/D
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TOTAL Local Leakage Rate Tests	2007.345 SCF/D
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Acceptance Criteria: Total Leak Rate (Type 'B' and 'C') < 3893.88 SCF/D

CORRECTIVE ACTIONS SUMMARYPenetration No. 16

The initial leak test was performed November 30, 1984. Valve [TV-CC-111A2] leaked at 704.37 SCF/D. Maintenance Work Request 848751 was initiated. The plug was cleaned and the valve repacked. The valve was retested on December 9, 1984, with a leak rate of 942.80 SCF/D. MWR 848758 was initiated and the seat, stem, and plug were replaced. The retest was performed on December 14, 1984, with a leak rate of 253.54 SCF/D.

Penetration No. 25

The initial leak test was performed on November 3, 1984. Valve [TV-CC-105D1] leaked at a rate of 176.24 SCF/D. MWR 848316 was initiated and the seat and plug were cleaned. The bonnet gasket and packing were replaced. The retest was performed on December 4, 1984 with a leakage of 65.55 SCF/D.

Penetration No. 26

The initial leak test was performed on December 4, 1984. Valve [TV-CC-107E1] leaked at a rate of 177.92 SCF/D. MWR 848756 was initiated and the plug and seat were cleaned. The bonnet gasket, seat ring gasket, and packing were replaced. The retest was performed on December 12, 1984 with a leak rate of 75.2 SCF/D.

Penetration No. 28

The initial leak test was performed on November 16, 1984. The valves [TV-CH-200A, B, & C] leaked at a rate of 196.84 SCF/D, [RV-CH-203] and [MOV-CH-142] leaked at a combined rate of 56.39 SCF/D. MWR 842485 had been initiated prior to the initial testing to repair a suspected leak in [TV-CH-200B]. The following MWR's were also initiated at the same time:

MWR 842491 - to replace valve [RV-CH-203] due to a crack in the valve body.

MWR 848407 - to replace the diaphragm on the operator of valve [TV-CH-200A] as a preventive maintenance measure.

MWR 848408 - to replace the diaphragm on the operator of valve [TV-CH-200B] as a preventive maintenance measure.

MWR 848409 - to replace the diaphragm on the operator of valve [TV-CH-200C] as a preventive maintenance measure.

The first retest was performed on November 28, 1984. Valve [RV-CH-203] leaked at a rate of 1.31 SCF/D. Valves [TV-CH-200A, B, & C] would not hold the applied pressure. The operator limits on the trip

CORRECTIVE ACTIONS SUMMARY

valves were adjusted to allow the plugs to seat properly. The second retest of [TV-CH-200A, B, & C] was done on December 2, 1984. The valves leaked at a combined rate of 194.47 SCF/D.

After the initial leak test, the motor on valve [MOV-CH-142] burned out. MWR 848453 was written and the motor and overload relays were replaced. MWR 848455 was initiated to clean the limit switches and adjust the Limitorque modutronic unit. The valve was retested on December 11, 1984 with a leakage of 9.38 SCF/D.

When closing the motor operator cover after cleaning the limit switch contacts, a wire was inadvertently pinched. This caused a short in the control circuit, which again caused the motor to burn out. MWR 848456 was initiated to replace the motor and the modutronic unit. The final retest was performed on December 14, 1984, with a leakage of 18.50 SCF/D.

Penetration No. 44

The initial leak test was performed on October 31, 1984. Valve [TV-CV-101A] leaked at a rate of 69.63 SCF/D while valve [TV-CV-101B] would not hold the applied pressure. MWR 848315 was initiated to repair [TV-CV-101A] and MWR 848314 was initiated to repair [TV-CV-101B]. The seat ring gasket, body to bonnet gasket, packing, and plug insert were replaced on both valves. The retest was performed on December 8, 1984. Valve [TV-CV-101A] leaked at a rate of 5.11 SCF/D and [TV-CV-101B] leakage was 2.23 SCF/D.

Penetration No. 45

The initial leak test was performed on October 25, 1984. Valve [RC-72] leaked at a rate of 120.76 SCF/D. Valve [TV-RC-519] leaked at a rate of 0.466 SCF/D. MWR 847241 was initiated to repair valve [RC-72]. Subsequent to the initial test, valve [TV-RC-519] developed a body to bonnet leak and MWR 848347 was initiated for its repair. The lower valve diaphragm was replaced and the studs torqued. [TV-RC-519] was retested on November 29, 1984 with a leakage of 39.3 SCF/D.

The body/bonnet gasket on [RC-72] was replaced and the valve was retested on December 9, 1984. The valve leaked at a rate of 0.470 SCF/D.

Penetration No. 49

The initial leak test was performed on October 29, 1984. Valve [RC-68] would not hold the applied pressure. MWR 848305 was initiated and the disc, spring, and bonnet gasket were replaced. The seating surfaces were polished with lapping compound. The retest was performed on November 30, 1984, with a leak rate of 23.03 SCF/D.

CORRECTIVE ACTIONS SUMMARYPenetration No. 87

The initial leak test was performed on October 20, 1984. Valve [HY-120] leaked at a rate of 0.829 SCF/D; however, the valve lifted before the allowable 1.2 psid when tested under BVT 1.1-1.47.3. Valve [HY-111] was therefore not leak tested at this time.

MWR 847239 was initiated for the repair of valve [HY-120]. The valve was disassembled, the seat and gate were cleaned, and the disc and bonnet gasket were replaced. The retest was performed on October 29, 1984. Valve [HY-111] leaked at a rate of 1.71 SCF/D. Valve [HY-120] again failed the lift test.

A weight was installed on the counterweight arm of the check valve and the valve was retested. [HY-120] leaked at a rate of 0.896 SCF/D with the weight installed. The valve passed the lift test and the weight was left on the arm.

Penetration No. 88

The initial leak test was performed on October 13, 1984. Valve [HY-110] leaked at a rate of 17.95 SCF/D. Valve [HY-119] leaked at a rate of 0.552 SCF/D, but failed the check valve lift test.

MWR 847238 was initiated for the repair of [HY-119]. The valve was disassembled, the seat and gate were cleaned, and the disc and bonnet gasket were replaced.

The retest was performed on October 29, 1984. Valve [HY-110] leaked at a rate of 50.97 SCF/D, while valve [HY-119] leaked at rate of 5.07 SCF/D and failed the lift test. MWR 848311 was initiated for the repair of valve [HY-110]. The following is a summary of the corrective action taken on valves [HY-110] and [HY-119] after October 30, 1984:

[HY-110] - valve was disassembled, all parts were cleaned, the ball, stem, seats, O-ring, and seals were replaced.

[HY-119] - the valve was disassembled, all parts were cleaned, the O-ring, rock shaft gland flex-gasket, and Woodruff key were replaced.

A second retest was performed on December 7, 1984, before work had been started on [HY-110]. Valve [HY-119] passed the check valve lift test with a weight installed on the weight arm. The measured leak rate was 2.45 SCF/D. Valve [HY-110] leaked at a rate of 122.56 SCF/D.

After work was completed on [HY-110], both valves were retested. The "as left" leak rate for both valves was 0.464 SCF/D.

CORRECTIVE ACTIONS SUMMARYPenetration No. 90

The initial leak test was performed on October 25, 1984. The penetration leaked at a rate of 233.22 SCF/D. MWR 847242 was initiated to have the limits of the Limitorque motor on [VS-D-5-3A] adjusted to allow the valve to fully close. After the adjustment, the penetration was retested on November 1, 1984. The leak rate was 18.56 SCF/D.

Penetration No. 91

The initial leak test was performed on October 25, 1984. The penetration would not hold the applied pressure. MWR 848301 was initiated to adjust the limits of the Limitorque motor on [VS-D-5-5A] to allow the valve to fully close. After the adjustment, the valve was retested on October 27, 1984. The leak rate was 8.83 SCF/D.

Penetration No. 106

The initial leak test was performed on November 11, 1984. Valves [MOV-SI-842] and [TV-SI-889] both leaked at a rate of 0.467 SCF/D. Following this test, the motor operator on [MOV-SI-842] was replaced under DCP 351 with an environmentally qualified motor operator. The retest was performed on December 7, 1984 with a measured leak rate of 0.472 SCF/D.



Duquesne Light

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March 12, 1985
ND1SS1:2381

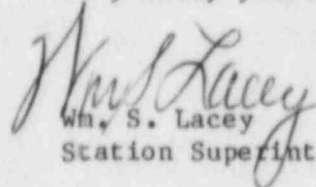
United States Nuclear Regulatory Commission
Director of Nuclear Reactor Regulation
ATTN: Mr. Steven A. Varga
Operating Reactors Branch No. 1
Division of Licensing
Washington, D.C. 20555

Reference: Beaver Valley Power Station, Unit No. 1
Docket No. 50-334, License No. DPR-66
Local Leak Rate Test Report

Gentlemen:

Enclosed is the 1984 Beaver Valley Local Leak Rate Test Report, submitted in accordance with Appendix J of 10 CFR Part 50. The report provides a summary of the results of the local leak rate testing conducted at BVPS Unit No. 1 during the Fourth Refueling Outage.

Very truly yours,


Wm. S. Lacey
Station Superintendent

Attachment

cc: Mr. W. M. Troskoski, Resident Inspector
U.S. Nuclear Regulatory Commission
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