

Public Service
Electric and Gas
Company

Stanley LaBruna

Public Service Electric and Gas Company P.O. Box 236, Hancocks Bridge, NJ 08038 609-339-1700

Vice President - Nuclear Engineering

AUG 22 1994

NLR-N94160

United States Nuclear Regulatory Commission
Document Control Desk
Washington, DC 20555

Gentlemen:

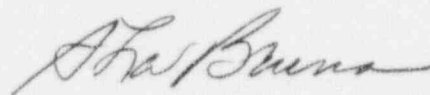
REACTOR CONTAINMENT BUILDING INTEGRATED LEAK RATE TEST REPORT
FIFTH REFUELING OUTAGE
HOPE CREEK GENERATING STATION
DOCKET NO. 50-354

Public Service Electric & Gas Company (PSE&G) hereby provides the enclosed report in accordance with 10CFR50, Appendix J, Sections V.B.1 and V.B.3, and Hope Creek Technical Specification 4.6.1.2.

This submittal contains the "Reactor Containment Building Integrated Leak Rate Test" dated April 1994, as Enclosure 1.

Should you have any questions regarding this transmittal, please do not hesitate to call us.

Sincerely,



Enclosure
Affidavit

300041

9409020178 940430
PDR ADOCK 05000354
P PDR

A017
11/1

AUG 22 1994

Document Control Desk
NLR-N94160

2

C Mr. T. T. Martin, Administrator - Region I
U. S. Nuclear Regulatory Commission
475 Allendale Road
King of Prussia, PA 19406

Mr. D. Moran, Licensing Project Manager
U. S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Rockville, MD 20852


Mr. R. Summers (S09)
USNRC Senior Resident Inspector

Mr. K. Tosch, Manager, IV
NJ Department of Environmental Protection
Division of Environmental Quality
Bureau of Nuclear Engineering
CN 415
Trenton, NJ 08625


STATE OF NEW JERSEY)
) SS.
COUNTY OF SALEM)

Stanley LaBruna, being duly sworn according to law deposes and says:

I am Vice President - Nuclear Engineering of Public Service Electric and Gas Company, and as such, I find the matters set forth in the above referenced letter, concerning the Hope Creek Generating Station, are true to the best of my knowledge, information and belief.



Subscribed and Sworn to before me
this 22nd day of August, 1994



Notary Public of New Jersey

My Commission expires on _____
KIMBERLY JO BROWN
NOTARY PUBLIC OF NEW JERSEY
My Commission Expires April 21, 1998

REACTOR CONTAINMENT BUILDING INTEGRATED LEAK RATE TEST

Public Service Electric and Gas Company
Hope Creek Generating Station
Docket 50-354

April 1994

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Table of Contents

INTRODUCTION	1
PRIMARY CONTAINMENT DESIGN	1
CONTAINMENT INTEGRATED LEAKAGE RATE TEST	2
PREPARATION	2
VISUAL EXAMINATION	3
PRESSURIZATION	3
STABILIZATION	4
TYPE A TEST	5
SUPPLEMENTAL TEST	6
DEPRESSURIZATION	6
RESULTS	7
APPENDICES	
Appendix A - Containment Integrated Leakage Rate Test Sensor Locations	
Appendix B - Stabilization Data	
Appendix C - Type A Test Data (Total Time Calculation)	
Appendix D - Type A Test Data (Mass Point Calculation)	
Appendix E - Supplemental Test Data	
Appendix F - Local Leakage Rate Test Data for Type B and Type C Tested Penetrations	
Appendix G - Local Leakage Rate Test Data for Main Steam Lines	
Appendix H - Local Leakage Rate Test Data for Water Sealed Valves	
Appendix I - Extended Containment Boundary Leakage	

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

1.0 INTRODUCTION

This report is being submitted pursuant to 10CFR50 Appendix J V.B.1. This report summarizes the second periodic Primary Containment Integrated Leakage Rate Test (CILRT) performed at Hope Creek Generating Station in April 1994. The CILRT was completed as required by 10CFR50 Appendix J and Hope Creek Generating Station Technical Specifications 4.6.1.2 (a), 4.6.1.2 (b), and 4.6.1.2 (c).

The CILRT demonstrated the leak tightness of the primary containment, including the drywell and torus liners, the downcomers, mechanical bellows, electrical penetration assemblies, mechanical seals, the airlock, containment penetrations, and containment isolation valves.

2.0 PRIMARY CONTAINMENT DESIGN

The primary containment at Hope Creek Generating Station is a BWR Mark I Containment; which consists of a drywell and torus with eight interconnecting downcomers. The Hope Creek design also includes extended containment boundaries, which are essentially closed piping systems outside the primary containment.

The drywell is designed for an internal pressure of 62 psig at a temperature of 340°F. The calculated peak accident pressure in the drywell is 48.1 psig and the calculated peak accident temperature is 340°F. The free air volume of the drywell and downcomers combined is 169,000 ft³.

The torus is designed for an internal pressure of 62 psig at a temperature of 310°F. The calculated peak accident pressure in the torus is 27.5 psig and the calculated peak accident temperature is 212°F. The free air volume of the torus ranges between 133,500 ft³ with the water at the high level (78.5") to 137,500 ft³ with the water at the low level (74.5").

Extended containment boundaries are designed and constructed to be as reliable as the primary containment itself (i.e. quality group B, seismic category I, with pressure and temperature ratings at least equal to that of the containment).

The overall integrated containment leakage rate assumed for the designed basis accident (L_a) is 0.5% by weight of the containment air per day at a pressure of 48.1 psig (P_a). Also assumed for the design basis accident is a leakage rate of 46.0 scfh through all four main steam lines, and an engineered safety features water leakage of 10 gpm from extended containment boundaries.

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

3.0 CONTAINMENT INTEGRATED LEAKAGE RATE TEST

The CILRT consisted of seven activities, those being Preparation, Visual Examination, Pressurization, Stabilization, Type A Test, Supplemental Test, and Depressurization. Each activity is described in detail in the following sections.

3.1 PREPARATION

Local leakage rate testing of penetrations and containment isolation valves was performed prior to and after the CILRT. The "as found" leakage rate of locally testable containment boundaries was measured, repairs and adjustments were made, and the "as left" leakage rate was measured. For locally testable components tested during the CILRT which were adjusted after the CILRT, the leakage rate was also measured immediately prior to the CILRT. Extended containment boundaries which operate at pressures greater than P_s were examined for leakage during system operation.

The primary containment was aligned as close as practical to the lineup which would exist during the design basis accident. Systems which are normally filled with water and operate after the design basis accident were not vented or drained, remaining in their normal post-accident configuration. Systems that are part of the primary containment boundary that could be exposed to the primary containment atmosphere after the design basis accident were isolated, drained, and vented as necessary to expose the containment boundary to atmosphere. Containment isolation valves were positioned by normal means. Thirteen primary containment penetrations were aligned not to be tested at the start of the CILRT, as follows:

Penetrations P2A, P17

Penetrations were isolated because of excessive leakage that would interfere with satisfactory completion of the Type A Test.

Penetrations P3, P4A, P4B

Penetrations were operable to support shutdown cooling.

Penetrations P8A, P8B, P38A, P38B

Penetrations were operable to maintain the plant in a stabilized condition.

Penetrations J36C, J36D, J209

Penetrations were operable to support the CILRT.

Penetration J50

System configuration was such that it could not be aligned to expose the containment isolation valves to the containment atmosphere.

Reactor Containment Building Integrated Leak Rate Test Hope Creek Generating Station, April 1994

The reactor was vented and reactor level was established below the main steam lines. Torus level was established at 74.9". These levels ensured that components were exposed to the same fluids as would exist during the design basis accident. Plant systems which activate on high drywell pressure were deactivated for the CILRT.

The CILRT instrumentation consisted of 17 temperature sensors, six relative humidity sensors, two absolute pressure sensors, and two supplemental test flowmeters. Temperature and relative humidity sensors were placed in locations throughout the primary containment in conformance with the Temperature Survey, as shown in Appendix A. The CILRT Instrumentation was calibrated within the six months prior to the CILRT, with standards traceable to the NIST. Once installed, an in-situ check was performed to demonstrate each sensor's functional ability. The two flowmeters were checked against each other to demonstrate functional ability. Computers were used to poll the sensors, record the readings, and compile data.

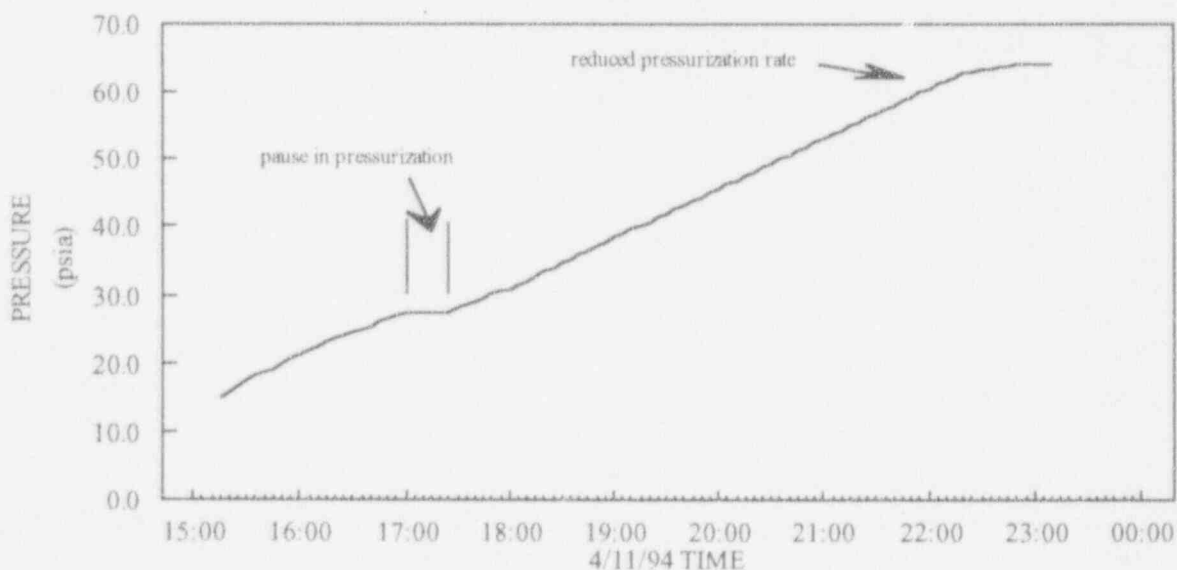
The pretest Instrument Selection Guide formula yielded an acceptable overall instrument sensitivity of 0.0146% per day ($0.0292 L_a$).

3.2 VISUAL EXAMINATION

A visual examination of the accessible interior and exterior surfaces of the primary containment was performed prior to the Type A Test. No unacceptable conditions were identified.

3.3 PRESSURIZATION

Figure 1 - Pressurization



**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Containment pressurization began on 4/11/94 at 15:15. Pressurization was stopped between 16:55 and 17:20 to check for gross leakage. Pressurization recommenced at 17:20. Crews were dispatched at pressures of approximately 10 psig and 30 psig to look for evidence of leakage. As the pressure approached the required test pressure, the pressurization rate was slowed. Test pressure of 64.29495 psia was attained on 4/11/94 at 23:10. The average containment pressurization rate was 7.18 psi per hour. Pressurization is shown in Figure 1.

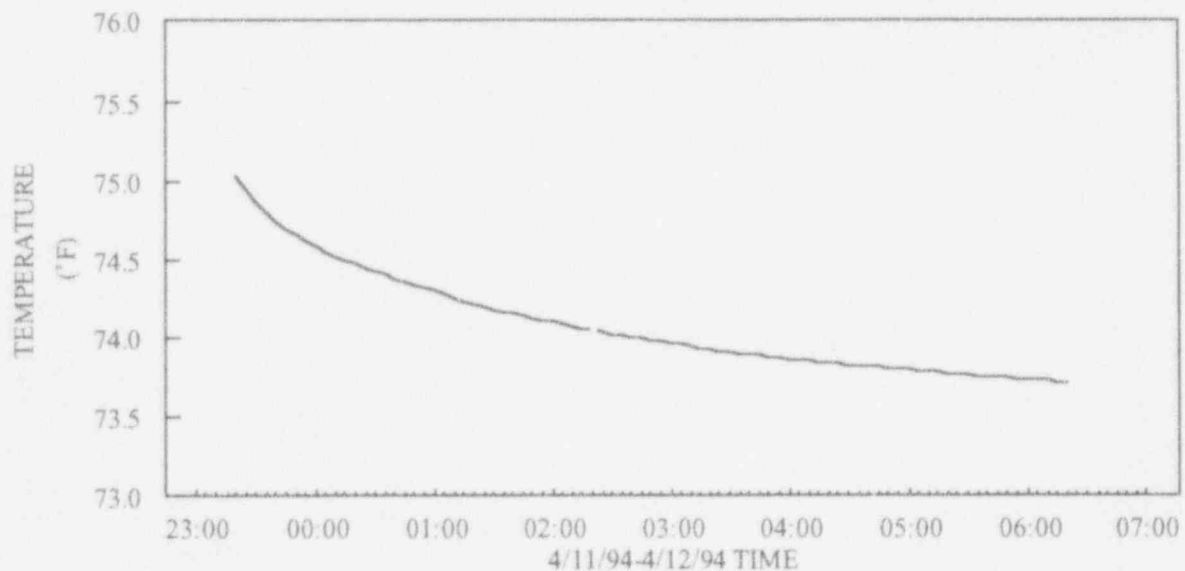
3.4 STABILIZATION

Containment atmospheric stabilization began on 4/11/94 at 23:20. During stabilization, extended containment boundaries which normally operate at pressures less than that experienced during the design basis accident were examined for evidence of leakage. Leakage of reactor coolant from the control rod drive insert and withdrawal lines was identified. Once the leakage from the control rod drive insert and withdrawal lines was quantified (approximately 2 gpm), these penetrations (P35s, P36s) were isolated.

Stabilization for the mass point analysis was declared on 4/12/94 at 03:40 with a difference between the weighted average containment temperature over the last four hours and the weighted average containment air temperature over the last hour of 0.103°F. This met the acceptance criteria of 0.5°F and exceeded the minimum required duration of four hours.

Stabilization for the total time analysis was declared on 4/12/94 at 06:20 with (1) a difference between the weighted average containment air temperature over the last four hours and the weighted average containment air temperature over the last hour of 0.029°F, and (2) the rate of change of the weighted average

Figure 2 - Stabilization



Reactor Containment Building Integrated Leak Rate Test Hope Creek Generating Station, April 1994

containment air temperature over the last two hours was 0.06°F. These met the acceptance criteria of 0.5°F and 1°F respectively, and exceeded the minimum required duration of four hours.

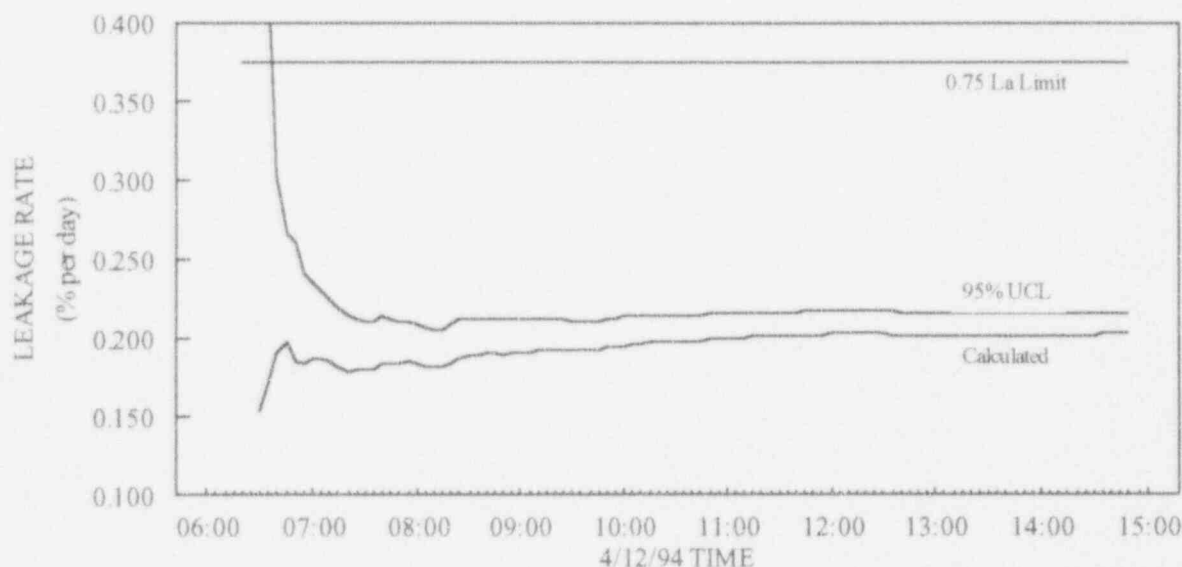
Stabilization is shown in Figure 2, and Stabilization data is presented in Appendix B.

Near the end of stabilization, liquid levels and control rod drive hydraulic control unit nitrogen pressures were recorded.

3.5 TYPE A TEST

The Type A Test was performed utilizing the absolute method. Two separate data analysis techniques were used: total time and mass point.

Figure 3 - Type A Test (Total Time Calculation)



The total time technique was utilized in an attempt to complete a short duration Type A Test in accordance with Bechtel Topical Report BN-TOP-1 Revision 1. Satisfactory completion of a short duration Type A Test utilizing this method is largely dependent on the selection of the first data point. For this reason, stabilization was extended longer than the minimum four hour period. The Type A Test using the total time technique began on 4/12/94 at 06:20 and was completed on 4/12/94 at 14:50. The calculated leakage rate was 0.2033% per day ($0.4066 L_a$) and the leakage rate at the two-sided 95% UCL was 0.21659% per day ($0.43318 L_a$) as shown in Figure 3. The Type A Test lasted for 8 hours and 30 minutes. Total Time Type A Test data is presented in Appendix C.

The mass point technique was utilized in the event a 24-hour Type A Test was necessary, and to verify the acceptability of a short duration Type A Test.

Reactor Containment Building Integrated Leak Rate Test Hope Creek Generating Station, April 1994

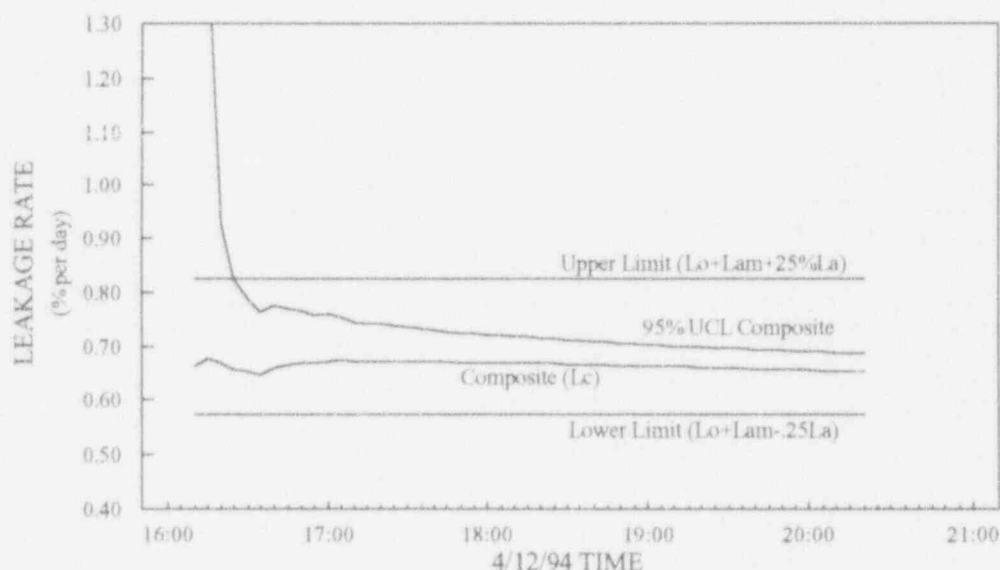
Stabilization was achieved after four hours. The Type A Test using the mass point technique began on 4/12/94 at 03:40, and was completed on 4/12/94 at 14:50. The calculated leakage rate was 0.20331% per day ($0.40662 L_a$) and the leakage rate at the 95% UCL was 0.20419% per day ($0.40838 L_a$). These confirmed the acceptability of the short duration Type A Test results. Mass point Type A Test data is presented in Appendix D.

3.6 SUPPLEMENTAL TEST

Upon completion of the Type A Test, a leakage rate (L_b) of 0.49447% per day ($0.98894 L_a$) from the primary containment was superimposed on the existing primary containment leakage rate. With the imposed leakage, the CILRT instrumentation measured a composite leakage rate (primary containment leakage rate plus supplemental leakage rate) of 0.6527% per day ($1.3054 L_a$). The difference between the leakage rate measured by the supplemental test flowmeter and the additional leakage rate measured by the CILRT instrumentation was 0.04508% per day ($0.09016 L_a$).

Supplemental Test is shown in Figure 4, and the data is presented in Appendix E.

Figure 4 - Supplemental Test

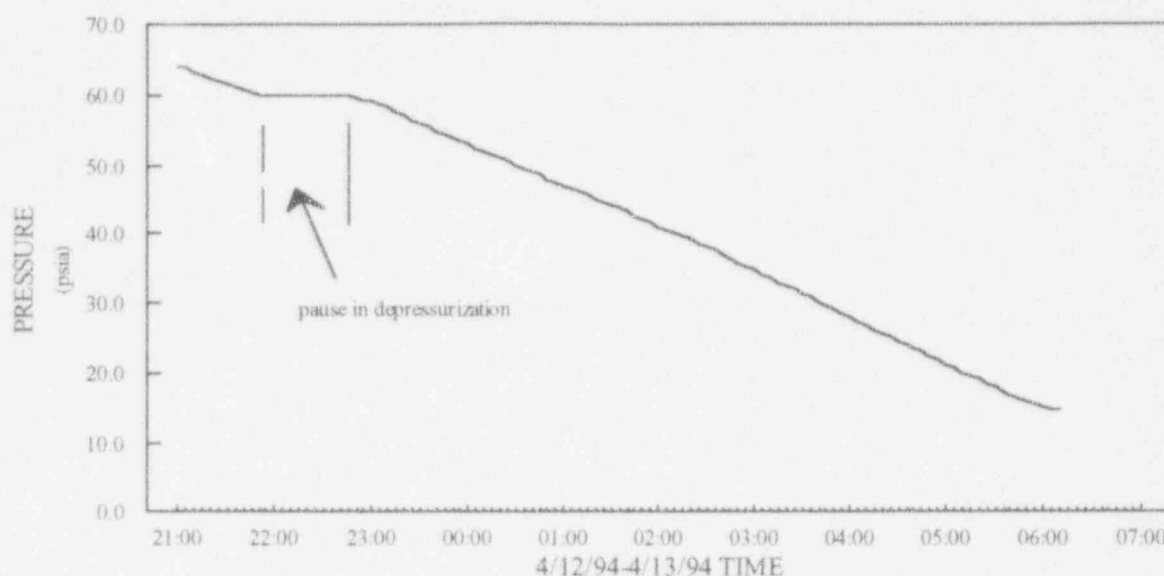


3.7 DEPRESSURIZATION

Containment depressurization began on 4/12/94 at 20:30. Depressurization was stopped between 21:55 and 22:45 to support other plant testing. Depressurization recommenced at 22:45. The containment was depressurized on 4/13/94 at 06:10. The average depressurization rate was 6.08 psi per hour.

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Figure 5 - Depressurization



Depressurization is shown in Figure 5.

4.0 RESULTS

Visual examination revealed that the primary containment structure was in acceptable condition.

The primary containment atmosphere stabilized in the minimum required time of four hours. Stabilization was continued for three additional hours to obtain data necessary to declare the start of the Type A Test with a reasonable level of confidence in completing it in eight hours.

The measured leakage rate was 0.2033% per day. When corrected for changes in reactor level, sump level, control rod drive hydraulic control unit accumulator pressures, and penetrations not tested; and adjusted for local leakage rate test data, the "as found" overall integrated primary containment leakage rate was 0.25167% per day and the "as left" overall integrated primary containment leakage rate was 0.23697% per day.

The Supplemental Test confirmed the ability of the Type A Test instrumentation to detect and quantify a leak on the order of magnitude of L_a .

All sensors remained functional throughout the CILRT; therefore, the pretest Instrument Selection Guide remained valid and met the required sensitivity of $0.25 L_a$.

Local Leakage Rate Test results for Type B and Type C components between the first period CILRT in November 1989 and this CILRT are presented in Appendix F. Leakage rates were maintained below L_a during this period.

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Local Leakage Rate Test results for main steam line components between the first periodic CILRT in November 1989 and this CILRT are presented in Appendix G. A leakage rate in excess of 46.0 scfh was identified in 1991, and was subsequently corrected.

Local Leakage Rate Test results for water tested valves between the first period CILRT in November 1989 and this CILRT are presented in Appendix H. Extended containment boundary leakage results are presented in Appendix I. Water leakage rates were maintained below 10.0 gpm for this period.

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

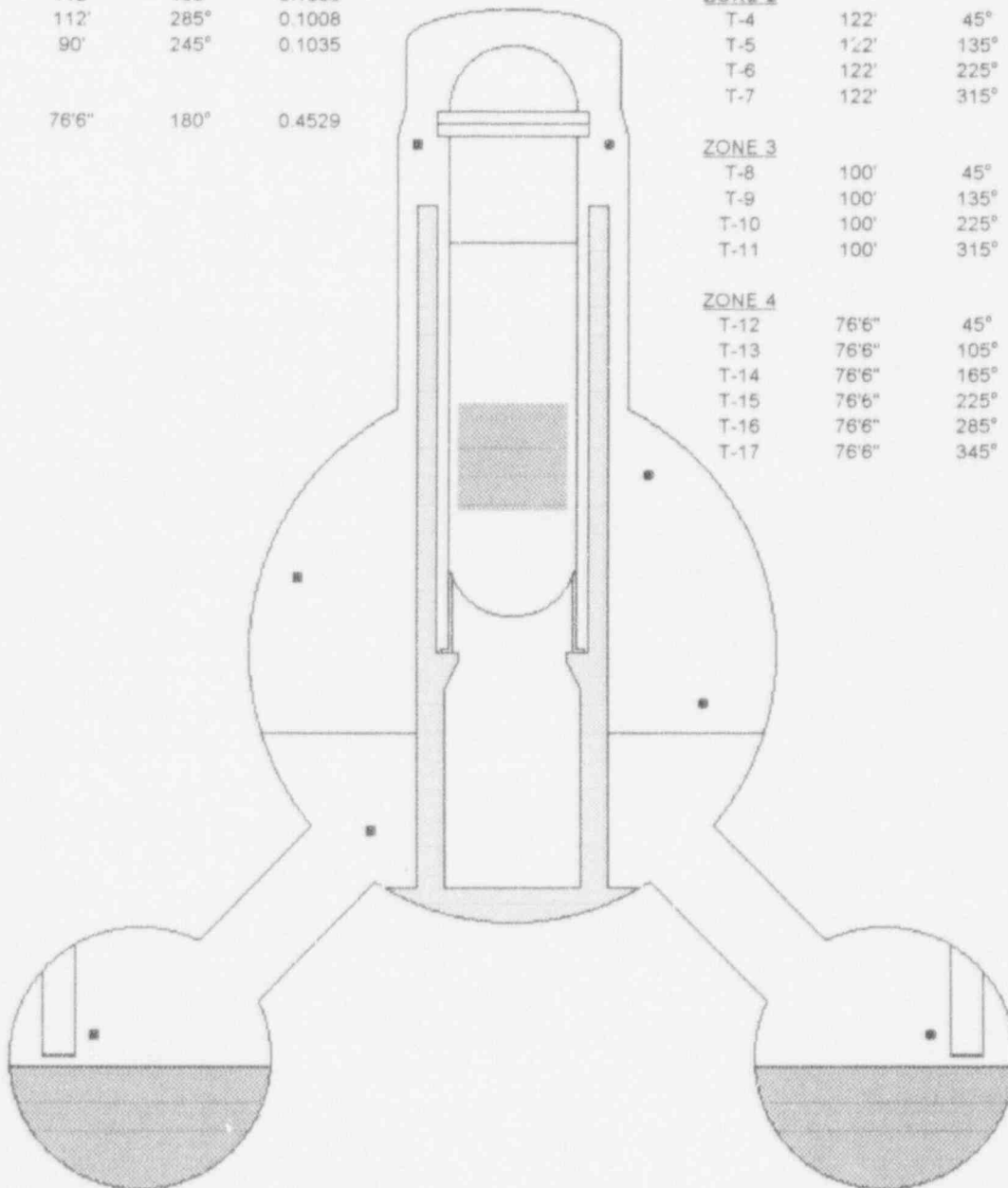
Appendix A - Containment Integrated Leakage Rate Test Sensor Locations

RELATIVE HUMIDITY SENSORS (■)

<u>SENSOR</u>	<u>ELEVATION</u>	<u>AZIMUTH</u>	<u>VOLUME FRACTION</u>
<u>ZONE 1</u>			
RH-1	162'	45°	0.1412
<u>ZONE 2</u>			
RH-2	112'	45°	0.1008
RH-3	112'	165°	0.1008
RH-4	112'	285°	0.1008
RH-5	90'	245°	0.1035
<u>ZONE 3</u>			
RH-6	76'6"	180°	0.4529

TEMPERATURE SENSORS (●)

<u>SENSOR</u>	<u>ELEVATION</u>	<u>AZIMUTH</u>	<u>VOLUME FRACTION</u>
<u>ZONE 1</u>			
T-1	162'	45°	0.0472
T-2	162'	165°	0.0471
T-3	162'	285°	0.0471
<u>ZONE 2</u>			
T-4	122'	45°	0.0451
T-5	112'	135°	0.0451
T-6	122'	225°	0.0451
T-7	122'	315°	0.0451
<u>ZONE 3</u>			
T-8	100'	45°	0.0563
T-9	100'	135°	0.0563
T-10	100'	225°	0.0563
T-11	100'	315°	0.0563
<u>ZONE 4</u>			
T-12	76'6"	45°	0.0755
T-13	76'6"	105°	0.0755
T-14	76'6"	165°	0.0755
T-15	76'6"	225°	0.0755
T-16	76'6"	285°	0.0755
T-17	76'6"	345°	0.0755



**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Appendix B - Temperature Stabilization Data

TIME	TEMPERATURE (°R)	CHANGE IN TEMPERATURE (°R)	AVERAGE TEMPERATURE OVER LAST 1 HOUR (°R)	BN-TOP-1 AVERAGE OVER LAST 2 HOURS (°R/hr)	BN-TOP-1 RATE OVER LAST 2 HOURS (°R/hr/hr)	AVERAGE CHANGE IN TEMPERATURE OVER LAST 4 HOURS (°R)	ANS-56.8-1987 CRITERIA
<i>April 11, 1994</i>							
2320	534.694						
2325	534.603	-0.091					
2330	534.532	-0.070					
2335	534.472	-0.061					
2340	534.414	-0.058					
2345	534.370	-0.044					
2350	534.331	-0.040					
2355	534.293	-0.037					
<i>April 12, 1994</i>							
0000	534.262	-0.031					
0005	534.229	-0.033					
0010	534.193	-0.036					
0015	534.165	-0.029					
0020	534.141	-0.024	534.418				
0025	534.115	-0.026	534.359				
0030	534.091	-0.024	534.312				
0035	534.070	-0.021	534.271				
0040	534.043	-0.027	534.229				
0045	534.025	-0.018	534.198				
0050	534.011	-0.014	534.171				
0055	533.993	-0.019	534.143				
0100	533.971	-0.022	534.116				
0105	533.949	-0.022	534.089				
0110	533.926	-0.023	534.060				
0115	533.908	-0.018	534.036				
0120	533.887	-0.021	534.014	-0.403	0.403		
0125	533.869	-0.019	533.992	-0.367	0.367		
0130	533.855	-0.013	533.973	-0.338	0.338		
0135	533.837	-0.018	533.953	-0.317	0.317		
0140	533.825	-0.013	533.934	-0.295	0.295		
0145	533.805	-0.019	533.915	-0.283	0.283		
0150	533.792	-0.013	533.902	-0.269	0.269		
0155	533.781	-0.011	533.887	-0.256	0.256		
0200	533.770	-0.011	533.870	-0.246	0.246		
0205	533.754	-0.016	533.851	-0.237	0.237		
0210	533.741	-0.013	533.834	-0.226	0.226		
0215	533.726	-0.015	533.817	-0.219	0.219		
0220	533.715	-0.011	533.801	-0.213	0.213		
0225	533.702	-0.014	533.785	-0.207	0.207		
0230	533.693	-0.009	533.774	-0.199	0.199		
0235	533.684	-0.009	533.760	-0.193	0.193		
0240	533.670	-0.014	533.747	-0.187	0.187		
0245	533.664	-0.006	533.734	-0.181	0.181		
0250	533.656	-0.008	533.724	-0.178	0.178		
0255	533.646	-0.010	533.714	-0.173	0.173		
0300	533.635	-0.011	533.703	-0.168	0.168		
0305	533.625	-0.010	533.690	-0.162	0.162		
0310	533.616	-0.009	533.679	-0.155	0.155		
0315	533.606	-0.010	533.666	-0.151	0.151		
0320	533.594	-0.012	533.654	-0.147	0.147	-0.275	0.154

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Appendix B (continued)

TIME	TEMPERATURE (°R)	CHANGE IN TEMPERATURE (°R)	AVERAGE TEMPERATURE OVER LAST 1 HOUR (°R)	BN-TOP-1 AVERAGE OVER LAST 2 HOURS (°R/hr)	BN-TOP-1 RATE OVER LAST 2 HOURS (°R/hr/hr)	AVERAGE CHANGE IN TEMPERATURE OVER LAST 4 HOURS (°R)	ANS-56.8-1987 CRITERIA
0325	533.581	-0.013	533.641	-0.144	0.144	-0.255	0.135
0330	533.578	-0.004	533.635	-0.139	0.139	-0.239	0.123
0335	533.567	-0.011	533.625	-0.135	0.135	-0.226	0.109
0340	533.559	-0.008	533.614	-0.133	0.133	-0.214	0.103
0345	533.555	-0.004	533.609	-0.125	0.125	-0.204	0.095
0350	533.543	-0.011	533.599	-0.125	0.125	-0.197	0.084
0355	533.540	-0.003	533.593	-0.120	0.120	-0.188	0.083
0400	533.534	-0.007	533.584	-0.118	0.118	-0.182	0.080
0405	533.529	-0.004	533.577	-0.112	0.112	-0.175	0.079
0410	533.523	-0.006	533.570	-0.109	0.109	-0.168	0.075
0415	533.515	-0.008	533.561	-0.105	0.105	-0.162	0.072
0420	533.510	-0.005	533.552	-0.102	0.102	-0.158	0.074
0425	533.505	-0.005	533.543	-0.098	0.098	-0.153	0.077
0430	533.499	-0.006	533.538	-0.097	0.097	-0.148	0.069
0435	533.496	-0.003	533.531	-0.094	0.094	-0.143	0.073
0440	533.492	-0.004	533.525	-0.089	0.089	-0.138	0.071
0445	533.486	-0.007	533.520	-0.089	0.089	-0.135	0.066
0450	533.479	-0.006	533.511	-0.088	0.088	-0.133	0.069
0455	533.475	-0.005	533.508	-0.085	0.085	-0.129	0.064
0500	533.470	-0.005	533.502	-0.083	0.083	-0.125	0.061
0505	533.463	-0.007	533.496	-0.081	0.081	-0.122	0.055
0510	533.456	-0.007	533.490	-0.080	0.080	-0.118	0.050
0515	533.450	-0.006	533.483	-0.078	0.078	-0.114	0.050
0520	533.442	-0.008	533.476	-0.076	0.076	-0.111	0.043
0525	533.438	-0.004	533.472	-0.072	0.072	-0.108	0.040
0530	533.430	-0.007	533.465	-0.074	0.074	-0.106	0.038
0535	533.425	-0.006	533.460	-0.071	0.071	-0.103	0.032
0540	533.420	-0.005	533.456	-0.069	0.069	-0.101	0.029
0545	533.417	-0.003	533.451	-0.069	0.069	-0.097	0.028
0550	533.415	-0.001	533.447	-0.064	0.064	-0.094	0.030
0555	533.409	-0.006	533.442	-0.066	0.066	-0.093	0.027
0600	533.402	-0.006	533.436	-0.066	0.066	-0.092	0.025
0605	533.398	-0.004	533.430	-0.065	0.065	-0.089	0.025
0610	533.395	-0.004	533.425	-0.064	0.064	-0.087	0.025
0615	533.392	-0.003	533.421	-0.062	0.062	-0.083	0.025
0620	533.390	-0.002	533.416	-0.060	0.060	-0.081	0.029

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Appendix C - Type A Test Data (Total Time Calculation)

TIME	TEMPERATURE (°R)	VAPOR PRESSURE (psf)	DEW POINT (°F)	CORRECTED AIR PRESSURE (psia)	LEAST SQUARES FIT LEAK RATE (% per day)	UPPER CONFIDENCE LEVEL LEAK RATE (% per day)	MEASURED LEAK RATE (% per day)
April 12, 1994							
0620	533.390	0.3573	69.537	63.759			
0625	533.386	0.3574	69.538	63.758			0.18719
0630	533.381	0.3573	69.535	63.757	0.1535		0.15352
0635	533.380	0.3573	69.532	63.756	0.1719	0.43881	0.18773
0640	533.377	0.3573	69.533	63.756	0.1910	0.30422	0.20017
0645	533.374	0.3574	69.539	63.755	0.1987	0.26707	0.19930
0650	533.368	0.3573	69.533	63.754	0.1855	0.26058	0.16709
0655	533.366	0.3574	69.540	63.753	0.1845	0.24088	0.18160
0700	533.364	0.3573	69.536	63.752	0.1878	0.23645	0.19106
0705	533.360	0.3573	69.533	63.752	0.1873	0.23051	0.18413
0710	533.356	0.3574	69.540	63.751	0.1854	0.22521	0.17979
0715	533.353	0.3574	69.543	63.750	0.1826	0.22009	0.17515
0720	533.350	0.3573	69.536	63.750	0.1798	0.21512	0.17284
0725	533.349	0.3574	69.540	63.749	0.1807	0.21348	0.18372
0730	533.346	0.3575	69.546	63.748	0.1810	0.21176	0.18203
0735	533.343	0.3575	69.551	63.747	0.1811	0.21023	0.18164
0740	533.345	0.3576	69.554	63.747	0.1844	0.21424	0.19583
0745	533.339	0.3576	69.556	63.746	0.1846	0.21226	0.18437
0750	533.337	0.3575	69.553	63.745	0.1850	0.21154	0.18560
0755	533.336	0.3576	69.558	63.745	0.1856	0.21112	0.18684
0800	533.331	0.3575	69.551	63.744	0.1843	0.20954	0.17723
0805	533.329	0.3574	69.539	63.744	0.1823	0.20766	0.17206
0810	533.330	0.3576	69.556	63.743	0.1822	0.20626	0.18192
0815	533.331	0.3576	69.555	63.742	0.1831	0.20663	0.18748
0820	533.332	0.3576	69.558	63.742	0.1850	0.20874	0.19466
0825	533.333	0.3577	69.565	63.741	0.1876	0.21222	0.20152
0830	533.330	0.3576	69.554	63.740	0.1891	0.21272	0.19606
0835	533.328	0.3575	69.552	63.740	0.1900	0.21284	0.19259
0840	533.327	0.3575	69.553	63.739	0.1908	0.21315	0.19329
0845	533.324	0.3575	69.553	63.739	0.1910	0.21282	0.18901
0850	533.320	0.3576	69.559	63.738	0.1906	0.21223	0.18518
0855	533.324	0.3577	69.567	63.738	0.1914	0.21249	0.19394
0900	533.320	0.3577	69.564	63.737	0.1914	0.21214	0.18863
0905	533.323	0.3577	69.566	63.737	0.1921	0.21251	0.19471
0910	533.324	0.3578	69.572	63.736	0.1931	0.21315	0.19705
0915	533.320	0.3577	69.566	63.736	0.1931	0.21285	0.18979
0920	533.316	0.3578	69.571	63.735	0.1927	0.21242	0.18618
0925	533.318	0.3578	69.576	63.735	0.1930	0.21219	0.19168
0930	533.318	0.3578	69.571	63.734	0.1930	0.21196	0.18960
0935	533.314	0.3578	69.575	63.734	0.1927	0.21158	0.18671
0940	533.317	0.3578	69.574	63.733	0.1927	0.21125	0.18959
0945	533.321	0.3580	69.588	63.733	0.1935	0.21190	0.19814
0950	533.323	0.3580	69.592	63.732	0.1943	0.21255	0.19916
0955	533.323	0.3580	69.589	63.732	0.1951	0.21314	0.19947
1000	533.323	0.3581	69.599	63.731	0.1959	0.21380	0.20063
1005	533.322	0.3580	69.593	63.731	0.1965	0.21412	0.19862
1010	533.323	0.3581	69.602	63.730	0.1972	0.21465	0.20058
1015	533.322	0.3582	69.608	63.730	0.1979	0.21510	0.20058
1020	533.320	0.3582	69.603	63.730	0.1982	0.21516	0.19671
1025	533.318	0.3580	69.595	63.729	0.1981	0.21507	0.19291
1030	533.319	0.3582	69.606	63.729	0.1983	0.21499	0.19505

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Appendix C (continued)

TIME	TEMPERATURE ('R)	VAPOR PRESSURE (psi)	DEW POINT ('F)	CORRECTED AIR PRESSURE (psia)	LEAST SQUARES FIT LEAK RATE (% per day)	UPPER CONFIDENCE LEVEL LEAK RATE (% per day)	MEASURED LEAK RATE (% per day)
1035	533.322	0.3581	69.598	63.728	0.1986	0.21508	0.19757
1040	533.321	0.3582	69.603	63.728	0.1988	0.21516	0.19710
1045	533.320	0.3583	69.614	63.728	0.1990	0.21519	0.19639
1050	533.326	0.3584	69.621	63.727	0.1996	0.21562	0.20227
1055	533.325	0.3584	69.624	63.727	0.2001	0.21595	0.20170
1100	533.325	0.3584	69.624	63.726	0.2005	0.21620	0.20085
1105	533.321	0.3583	69.611	63.726	0.2005	0.21618	0.19482
1110	533.330	0.3584	69.622	63.726	0.2010	0.21654	0.20362
1115	533.329	0.3583	69.617	63.725	0.2015	0.21679	0.20194
1120	533.327	0.3583	69.614	63.725	0.2017	0.21688	0.19906
1125	533.329	0.3584	69.623	63.724	0.2020	0.21703	0.20092
1130	533.326	0.3583	69.615	63.724	0.2020	0.21705	0.19652
1135	533.330	0.3584	69.620	63.724	0.2022	0.21711	0.20060
1140	533.330	0.3583	69.615	63.723	0.2024	0.21721	0.19989
1145	533.333	0.3584	69.619	63.723	0.2027	0.21737	0.20176
1150	533.330	0.3584	69.623	63.723	0.2029	0.21742	0.19898
1155	533.331	0.3582	69.610	63.723	0.2028	0.21742	0.19692
1200	533.336	0.3584	69.622	63.722	0.2031	0.21750	0.20195
1205	533.337	0.3584	69.622	63.722	0.2034	0.21765	0.20194
1210	533.333	0.3583	69.612	63.721	0.2033	0.21767	0.19719
1215	533.335	0.3583	69.618	63.721	0.2034	0.21764	0.19887
1220	533.335	0.3582	69.610	63.721	0.2034	0.21763	0.19815
1225	533.334	0.3583	69.619	63.721	0.2033	0.21760	0.19596
1230	533.332	0.3584	69.623	63.720	0.2032	0.21752	0.19491
1235	533.330	0.3584	69.621	63.720	0.2030	0.21744	0.19310
1240	533.333	0.3584	69.621	63.719	0.2028	0.21726	0.19449
1245	533.331	0.3585	69.630	63.719	0.2025	0.21716	0.19255
1250	533.334	0.3585	69.628	63.719	0.2024	0.21697	0.19384
1255	533.334	0.3586	69.636	63.718	0.2021	0.21684	0.19289
1300	533.335	0.3586	69.643	63.718	0.2020	0.21667	0.19398
1305	533.342	0.3587	69.644	63.718	0.2020	0.21656	0.19815
1310	533.346	0.3587	69.649	63.717	0.2022	0.21659	0.20006
1315	533.346	0.3588	69.654	63.717	0.2023	0.21661	0.19930
1320	533.349	0.3587	69.646	63.717	0.2024	0.21662	0.19921
1325	533.347	0.3586	69.637	63.717	0.2023	0.21659	0.19641
1330	533.347	0.3587	69.644	63.716	0.2022	0.21651	0.19562
1335	533.354	0.3587	69.651	63.716	0.2023	0.21646	0.19949
1340	533.356	0.3588	69.658	63.716	0.2025	0.21652	0.20095
1345	533.356	0.3587	69.651	63.716	0.2025	0.21653	0.19865
1350	533.357	0.3587	69.647	63.716	0.2025	0.21650	0.19779
1355	533.359	0.3587	69.644	63.715	0.2025	0.21646	0.19814
1400	533.362	0.3587	69.652	63.715	0.2026	0.21644	0.19899
1405	533.361	0.3587	69.650	63.715	0.2026	0.21642	0.19830
1410	533.364	0.3587	69.644	63.715	0.2026	0.21639	0.19824
1415	533.366	0.3587	69.651	63.714	0.2027	0.21636	0.19878
1420	533.371	0.3589	69.661	63.714	0.2028	0.21640	0.20121
1425	533.373	0.3588	69.658	63.714	0.2029	0.21646	0.20118
1430	533.375	0.3588	69.658	63.714	0.2030	0.21649	0.20045
1435	533.375	0.3589	69.664	63.713	0.2031	0.21651	0.20004
1440	533.380	0.3589	69.662	63.713	0.2032	0.21656	0.20149
1445	533.379	0.3588	69.659	63.713	0.2033	0.21657	0.19995
1450	533.381	0.3589	69.655	63.713	0.2033	0.21659	0.20027

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Appendix D - Type A Test Data (Mass Point Calculation)

TIME	TEMPERATURE (°R)	VAPOR PRESSURE (psi)	DEW POINT (°F)	CORRECTED AIR PRESSURE (psia)	CONTAINMENT AIR MASS (lbm)	LEAST SQUARES FIT LEAK RATE (% per day)	UPPER CONFIDENCE LEVEL LEAK RATE (% per day)
<i>April 12, 1994</i>							
0340	533.559	0.3576	69.555	63.796	97738.77		
0345	533.555	0.3577	69.563	63.795	97737.30		
0350	533.543	0.3576	69.555	63.793	97737.41	0.20143	
0355	533.540	0.3576	69.556	63.792	97735.95	0.24678	0.44028
0400	533.534	0.3576	69.561	63.791	97735.15	0.25346	0.34332
0405	533.529	0.3576	69.559	63.789	97734.06	0.26487	0.31995
0410	533.523	0.3575	69.551	63.788	97733.30	0.26458	0.30142
0415	533.515	0.3576	69.555	63.787	97732.77	0.25546	0.28385
0420	533.510	0.3576	69.557	63.786	97731.73	0.25458	0.27604
0425	533.505	0.3575	69.553	63.784	97730.63	0.25796	0.27515
0430	533.499	0.3575	69.553	63.783	97729.98	0.25676	0.27065
0435	533.496	0.3576	69.559	63.782	97728.38	0.26443	0.27840
0440	533.492	0.3576	69.561	63.780	97727.13	0.27250	0.28687
0445	533.486	0.3576	69.554	63.779	97726.59	0.27432	0.28668
0450	533.479	0.3575	69.552	63.778	97725.77	0.27468	0.28533
0455	533.475	0.3575	69.547	63.777	97725.08	0.27334	0.28270
0500	533.470	0.3575	69.552	63.776	97724.13	0.27258	0.28083
0505	533.463	0.3575	69.551	63.774	97723.33	0.27139	0.27879
0510	533.456	0.3575	69.548	63.773	97722.90	0.26825	0.27556
0515	533.450	0.3575	69.552	63.772	97721.95	0.26610	0.27300
0520	533.442	0.3575	69.546	63.771	97721.85	0.26145	0.26921
0525	533.438	0.3576	69.555	63.770	97720.89	0.25821	0.26595
0530	533.430	0.3575	69.553	63.769	97720.52	0.25412	0.26226
0535	533.425	0.3574	69.545	63.768	97720.05	0.24983	0.25840
0540	533.420	0.3574	69.538	63.767	97719.45	0.24582	0.25463
0545	533.417	0.3575	69.552	63.766	97718.28	0.24350	0.25194
0550	533.415	0.3574	69.543	63.765	97717.09	0.24251	0.25037
0555	533.409	0.3575	69.547	63.764	97716.72	0.24074	0.24823
0600	533.402	0.3574	69.539	63.763	97716.57	0.23795	0.24544
0605	533.398	0.3574	69.537	63.762	97715.77	0.23568	0.24301
0610	533.395	0.3574	69.539	63.761	97715.04	0.23369	0.24081
0615	533.392	0.3574	69.538	63.760	97713.97	0.23252	0.23928
0620	533.390	0.3573	69.537	63.759	97712.82	0.23211	0.23847
0625	533.386	0.3574	69.538	63.758	97712.19	0.23154	0.23755
0630	533.381	0.3573	69.535	63.757	97711.78	0.23053	0.23628
0635	533.380	0.3573	69.532	63.756	97710.97	0.22973	0.23520
0640	533.377	0.3573	69.533	63.756	97710.11	0.22914	0.23435
0645	533.374	0.3574	69.539	63.755	97709.45	0.22851	0.23348
0650	533.368	0.3573	69.533	63.754	97709.42	0.22712	0.23202
0655	533.366	0.3574	69.540	63.753	97708.51	0.22608	0.23084
0700	533.364	0.3573	69.536	63.752	97707.64	0.22529	0.22988
0705	533.360	0.3573	69.533	63.752	97707.20	0.22429	0.22876
0710	533.356	0.3574	69.540	63.751	97706.73	0.22315	0.22755
0715	533.353	0.3574	69.543	63.750	97706.29	0.22188	0.22626
0720	533.350	0.3573	69.536	63.750	97705.79	0.22055	0.22493
0725	533.349	0.3574	69.540	63.749	97704.72	0.21965	0.22393
0730	533.346	0.3575	69.546	63.748	97704.18	0.21871	0.22290
0735	533.343	0.3575	69.551	63.747	97703.58	0.21776	0.22188
0740	533.345	0.3576	69.554	63.747	97702.20	0.21740	0.22136
0745	533.339	0.3576	69.556	63.746	97702.19	0.21657	0.22046
0750	533.337	0.3575	69.553	63.745	97701.49	0.21581	0.21961

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Appendix D (continued)

TIME	TEMPERATURE (°R)	VAPOR PRESSURE (psi)	DEW POINT (°F)	CORRECTED AIR PRESSURE (psia)	CONTAINMENT AIR MASS (lbm)	LEAST SQUARES FIT LEAK RATE (% per day)	UPPER CONFIDENCE LEVEL LEAK RATE (% per day)
0755	533.336	0.3576	69.558	63.745	97700.78	0.21512	0.21884
0800	533.331	0.3575	69.551	63.744	97700.80	0.21404	0.21777
0805	533.329	0.3574	69.539	63.744	97700.57	0.21278	0.21657
0810	533.330	0.3576	69.556	63.743	97699.25	0.21200	0.21573
0815	533.331	0.3576	69.555	63.742	97698.20	0.21149	0.21511
0820	533.332	0.3576	69.558	63.742	97696.08	0.21129	0.21479
0825	533.333	0.3577	69.565	63.741	97695.73	0.21139	0.21477
0830	533.330	0.3576	69.554	63.740	97695.53	0.21122	0.21449
0835	533.328	0.3575	69.552	63.740	97695.19	0.21088	0.21406
0840	533.327	0.3575	69.553	63.739	97694.47	0.21058	0.21367
0845	533.324	0.3575	69.553	63.739	97694.23	0.21009	0.21311
0850	533.320	0.3576	69.559	63.738	97693.98	0.20945	0.21244
0855	533.324	0.3577	69.567	63.738	97692.43	0.20922	0.21212
0900	533.320	0.3577	69.564	63.737	97692.35	0.20875	0.21160
0905	533.323	0.3577	69.566	63.737	97691.03	0.20856	0.21133
0910	533.324	0.3578	69.572	63.736	97690.10	0.20848	0.21117
0915	533.320	0.3577	69.566	63.736	97690.29	0.20807	0.21071
0920	533.316	0.3578	69.571	63.735	97690.09	0.20751	0.21013
0925	533.318	0.3578	69.576	63.735	97688.77	0.20721	0.20977
0930	533.318	0.3578	69.571	63.734	97688.38	0.20683	0.20935
0935	533.314	0.3578	69.575	63.734	97688.13	0.20633	0.20882
0940	533.317	0.3578	69.574	63.733	97687.10	0.20598	0.20842
0945	533.321	0.3580	69.588	63.733	97685.27	0.20601	0.20839
0950	533.323	0.3580	69.592	63.732	97684.45	0.20608	0.20840
0955	533.323	0.3580	69.589	63.732	97683.73	0.20615	0.20841
1000	533.323	0.3581	69.599	63.731	97682.88	0.20626	0.20846
1005	533.322	0.3580	69.593	63.731	97682.51	0.20627	0.20841
1010	533.323	0.3581	69.602	63.730	97681.52	0.20636	0.20844
1015	533.322	0.3582	69.608	63.730	97680.84	0.20643	0.20847
1020	533.320	0.3582	69.603	63.730	97680.80	0.20633	0.20832
1025	533.318	0.3580	69.595	63.729	97680.77	0.20606	0.20801
1030	533.319	0.3582	69.606	63.729	97679.75	0.20588	0.20780
1035	533.322	0.3581	69.598	63.728	97678.65	0.20583	0.20770
1040	533.321	0.3582	69.603	63.728	97678.06	0.20574	0.20757
1045	533.320	0.3583	69.614	63.728	97677.52	0.20563	0.20742
1050	533.326	0.3584	69.621	63.727	97675.77	0.20576	0.20752
1055	533.325	0.3584	69.624	63.727	97675.20	0.20586	0.20758
1100	533.325	0.3584	69.624	63.726	97674.67	0.20592	0.20760
1105	533.321	0.3583	69.611	63.726	97675.16	0.20571	0.20737
1110	533.330	0.3584	69.622	63.726	97672.77	0.20588	0.20750
1115	533.329	0.3583	69.617	63.725	97672.41	0.20597	0.20756
1120	533.327	0.3583	69.614	63.725	97672.31	0.20592	0.20748
1125	533.329	0.3584	69.623	63.724	97671.26	0.20596	0.20748
1130	533.326	0.3583	69.615	63.724	97671.50	0.20580	0.20730
1135	533.330	0.3584	69.620	63.724	97669.96	0.20582	0.20729
1140	533.330	0.3583	69.615	63.723	97669.43	0.20580	0.20724
1145	533.333	0.3584	69.619	63.723	97668.34	0.20586	0.20727
1150	533.330	0.3584	69.623	63.723	97668.28	0.20580	0.20718
1155	533.331	0.3582	69.610	63.723	97668.07	0.20565	0.20701
1200	533.336	0.3584	69.622	63.722	97666.25	0.20571	0.20705
1205	533.337	0.3584	69.622	63.722	97665.56	0.20576	0.20707

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Appendix D (continued)

TIME	TEMPERATURE (°R)	VAPOR PRESSURE (psi)	DEW POINT (°F)	CORRECTED AIR PRESSURE (psia)	CONTAINMENT AIR MASS (lbm)	LEAST SQUARES FIT LEAK RATE (% per day)	UPPER CONFIDENCE LEVEL LEAK RATE (% per day)
1210	533.333	0.3583	69.612	63.721	97666.01	0.20563	0.20692
1215	533.335	0.3583	69.618	63.721	97664.94	0.20555	0.20682
1220	533.335	0.3582	69.610	63.721	97664.44	0.20546	0.20670
1225	533.334	0.3583	69.619	63.721	97664.30	0.20528	0.20651
1230	533.332	0.3584	69.623	63.720	97663.91	0.20506	0.20629
1235	533.330	0.3584	69.621	63.720	97663.70	0.20478	0.20602
1240	533.333	0.3584	69.621	63.719	97662.69	0.20457	0.20580
1245	533.331	0.3585	69.630	63.719	97662.54	0.20428	0.20552
1250	533.334	0.3585	69.628	63.719	97661.55	0.20406	0.20529
1255	533.334	0.3586	69.636	63.718	97661.14	0.20380	0.20504
<hr/>							
1300	533.335	0.3586	69.643	63.718	97660.19	0.20360	0.20483
1305	533.342	0.3587	69.644	63.718	97658.39	0.20355	0.20476
1310	533.346	0.3587	69.649	63.717	97657.18	0.20358	0.20477
1315	533.346	0.3588	69.654	63.717	97656.72	0.20357	0.20474
1320	533.349	0.3587	69.646	63.717	97656.07	0.20356	0.20471
1325	533.347	0.3586	69.637	63.717	97656.20	0.20345	0.20459
1330	533.347	0.3587	69.644	63.716	97655.76	0.20331	0.20444
1335	533.354	0.3587	69.651	63.716	97653.96	0.20332	0.20442
1340	533.356	0.3588	69.658	63.716	97652.85	0.20337	0.20446
1345	533.356	0.3587	69.651	63.716	97652.86	0.20334	0.20441
1350	533.357	0.3587	69.647	63.716	97652.45	0.20328	0.20433
1355	533.359	0.3587	69.644	63.715	97651.67	0.20323	0.20427
<hr/>							
1400	533.362	0.3587	69.652	63.715	97650.73	0.20321	0.20423
1405	533.361	0.3587	69.650	63.715	97650.27	0.20317	0.20417
1410	533.364	0.3587	69.644	63.715	97649.63	0.20312	0.20411
1415	533.366	0.3587	69.651	63.714	97648.77	0.20309	0.20407
1420	533.371	0.3589	69.661	63.714	97647.31	0.20315	0.20411
1425	533.373	0.3588	69.658	63.714	97646.64	0.20320	0.20415
1430	533.375	0.3588	69.658	63.714	97646.20	0.20323	0.20416
1435	533.375	0.3589	69.664	63.713	97645.66	0.20324	0.20416
1440	533.380	0.3589	69.662	63.713	97644.48	0.20329	0.20420
1445	533.379	0.3588	69.659	63.713	97644.33	0.20329	0.20419
1450	533.381	0.3589	69.665	63.713	97643.54	0.20331	0.20419

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Appendix E - Supplemental Test (Total Time Calculation)

TIME	MASS (lbm)	GROSS LEAST SQUARES FIT LEAK RATE (% per day)	GROSS UPPER CONFIDENCE LEVEL LEAK RATE (% per day)	SUPERIMPOSED LEAK RATE (scfm)	NET LEAST SQUARES FIT LEAK RATE (% per day)	NET UPPER CONFIDENCE LEVEL LEAK RATE (% per day)
<i>April 12, 1994</i>						
1610	97611			4.470	-0.4957	-0.4957
1615	97609	0.6636		4.470	0.1679	-0.4957
1620	97606	0.6765	1.3842	4.470	0.1808	0.8884
1625	97604	0.6671	0.9288	4.470	0.1713	0.4331
1630	97602	0.6559	0.8246	4.470	0.1601	0.3289
1635	97600	0.6521	0.7876	4.470	0.1564	0.2918
1640	97598	0.6478	0.7615	4.470	0.1520	0.2657
1645	97595	0.6579	0.7751	4.470	0.1622	0.2793
1650	97592	0.6639	0.7701	4.470	0.1682	0.2744
1655	97590	0.6683	0.7664	4.470	0.1725	0.2706
<hr/>						
1700	97588	0.6680	0.7569	4.470	0.1722	0.2611
1705	97585	0.6725	0.7577	4.470	0.1767	0.2628
1710	97583	0.6731	0.7529	4.470	0.1772	0.2570
1715	97582	0.6706	0.7454	4.470	0.1747	0.2495
1720	97579	0.6713	0.7429	4.470	0.1754	0.2471
1725	97576	0.6729	0.7420	4.470	0.1771	0.2462
1730	97574	0.6722	0.7379	4.470	0.1764	0.2420
1735	97572	0.6721	0.7352	4.470	0.1762	0.2394
1740	97570	0.6717	0.7324	4.470	0.1758	0.2365
1745	97568	0.6708	0.7293	4.470	0.1749	0.2334
1750	97565	0.6702	0.7269	4.470	0.1743	0.2309
1755	97563	0.6693	0.7242	4.470	0.1734	0.2282
<hr/>						
1800	97561	0.6689	0.7222	4.470	0.1729	0.2263
1805	97559	0.6682	0.7200	4.470	0.1722	0.2240
1810	97556	0.6682	0.7188	4.470	0.1722	0.2229
1815	97554	0.6682	0.7177	4.470	0.1722	0.2217
1820	97552	0.6678	0.7161	4.470	0.1718	0.2201
1825	97550	0.6674	0.7146	4.470	0.1714	0.2186
1830	97548	0.6667	0.7128	4.470	0.1707	0.2168
1835	97545	0.6660	0.7112	4.470	0.1700	0.2152
1840	97543	0.6652	0.7095	4.470	0.1692	0.2134
1845	97541	0.6648	0.7081	4.470	0.1687	0.2121
1850	97538	0.6645	0.7072	4.470	0.1685	0.2111
1855	97537	0.6636	0.7054	4.470	0.1675	0.2094
<hr/>						
1900	97534	0.6630	0.7041	4.470	0.1669	0.2080
1905	97533	0.6622	0.7025	4.470	0.1661	0.2064
1910	97530	0.6612	0.7010	4.470	0.1651	0.2048
1915	97527	0.6610	0.7002	4.470	0.1649	0.2041
1920	97525	0.6609	0.6996	4.470	0.1647	0.2035
1925	97523	0.6604	0.6985	4.470	0.1642	0.2023
1930	97521	0.6597	0.6972	4.470	0.1636	0.2011
1935	97519	0.6590	0.6960	4.470	0.1628	0.1998
1940	97517	0.6582	0.6947	4.470	0.1620	0.1985
1945	97515	0.6576	0.6936	4.470	0.1615	0.1974
1950	97513	0.6569	0.6924	4.470	0.1607	0.1962
1955	97511	0.6564	0.6914	4.470	0.1602	0.1952
<hr/>						
2000	97509	0.6557	0.6904	4.470	0.1595	0.1942
2005	97507	0.6550	0.6892	4.470	0.1588	0.1930
2010	97504	0.6544	0.6882	4.470	0.1582	0.1920
2015	97502	0.6537	0.6872	4.470	0.1575	0.1909

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1RCSV-0643A	03/17/94	ai	3.000	
1RCSV-0643B	12/11/90	af/ai	7.500	
1RCSV-0643B	09/26/92	af/ai	10.500	
1RCSV-0643B	03/17/94	af/ai	15.000	
Containment Penetration P229A - 22.5° Downcomer				
1GPXJN-37A I	12/27/90	af/ai	8.000	Test results include 1GPXJN-37A O, 1GPXJN-37B I, 1GPXJN-37B O
1GPXJN-37A I	09/26/92	af/ai	7.500	Test results include 1GPXJN-37A O, 1GPXJN-37B I, 1GPXJN-37B O
1GPXJN-37A I	02/28/94	af/ai	0.000	Test results include 1GPXJN-37A O, 1GPXJN-37B I, 1GPXJN-37B O
1GPXJN-37A O	12/27/90	af/ai	8.000	Test results include 1GPXJN-37A I, 1GPXJN-37B I, 1GPXJN-37B O
1GPXJN-37A O	09/26/92	af/ai	7.500	Test results include 1GPXJN-37A I, 1GPXJN-37B I, 1GPXJN-37B O
1GPXJN-37A O	02/28/94	af/ai	0.000	Test results include 1GPXJN-37A I, 1GPXJN-37B I, 1GPXJN-37B O
Containment Penetration P229B - 67.5° Downcomer				
1GPXJN-37B I	12/27/90	af/ai	8.000	Test results include 1GPXJN-37A I, 1GPXJN-37A O, 1GPXJN-37B O
1GPXJN-37B I	09/26/92	af/ai	7.500	Test results include 1GPXJN-37A I, 1GPXJN-37A O, 1GPXJN-37B O
1GPXJN-37B I	02/28/94	af/ai	0.000	Test results include 1GPXJN-37A I, 1GPXJN-37A O, 1GPXJN-37B O
1GPXJN-37B O	12/27/90	af/ai	8.000	Test results include 1GPXJN-37A I, 1GPXJN-37A O, 1GPXJN-37B I
1GPXJN-37B O	09/26/92	af/ai	7.500	Test results include 1GPXJN-37A I, 1GPXJN-37A O, 1GPXJN-37B I
1GPXJN-37B O	02/28/94	af/ai	0.000	Test results include 1GPXJN-37A I, 1GPXJN-37A O, 1GPXJN-37B I
Containment Penetration P229C - 112.5° Downcomer				
1GPXJN-37C I	01/01/91	af/ai	4.000	Test results include 1GPXJN-37C O, 1GPXJN-37D I, 1GPXJN-37D O
1GPXJN-37C I	09/26/92	af/ai	8.500	Test results include 1GPXJN-37C O, 1GPXJN-37D I, 1GPXJN-37D O
1GPXJN-37C I	02/28/94	af/ai	5.000	Test results include 1GPXJN-37C O, 1GPXJN-37D I, 1GPXJN-37D O
1GPXJN-37C O	01/01/91	af/ai	4.000	Test results include 1GPXJN-37C I, 1GPXJN-37D I, 1GPXJN-37D O
1GPXJN-37C O	09/26/92	af/ai	8.500	Test results include 1GPXJN-37C I, 1GPXJN-37D I, 1GPXJN-37D O
1GPXJN-37C O	02/28/94	af/ai	5.000	Test results include 1GPXJN-37C I, 1GPXJN-37D I, 1GPXJN-37D O
Containment Penetration P229D - 157.5° Downcomer				
1GPXJN-37D I	01/01/91	af/ai	4.000	Test results include 1GPXJN-37C I, 1GPXJN-37C O, 1GPXJN-37D O
1GPXJN-37D I	09/26/92	af/ai	8.500	Test results include 1GPXJN-37C I, 1GPXJN-37C O, 1GPXJN-37D O
1GPXJN-37D I	02/28/94	af/ai	5.000	Test results include 1GPXJN-37C I, 1GPXJN-37C O, 1GPXJN-37D O
1GPXJN-37D O	01/01/91	af/ai	4.000	Test results include 1GPXJN-37C I, 1GPXJN-37C O, 1GPXJN-37D I
1GPXJN-37D O	09/26/92	af/ai	8.500	Test results include 1GPXJN-37C I, 1GPXJN-37C O, 1GPXJN-37D I

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1GPXJN-37D O	02/28/94	af/al	5.000	Test results include 1GPXJN-37C I, 1GPXJN-37C O, 1GPXJN-37D I
Containment Penetration P229E - 202.5" Downcomer				
1GPXJN-37E I	01/01/91	af/al	9.000	Test results include 1GPXJN-37E O, 1GPXJN-37F I, 1GPXJN-37F O
1GPXJN-37E I	09/25/92	af/al	0.000	Test results include 1GPXJN-37E O, 1GPXJN-37F I, 1GPXJN-37F O
1GPXJN-37E I	03/01/94	af/al	6.000	Test results include 1GPXJN-37E O, 1GPXJN-37F I, 1GPXJN-37F O
1GPXJN-37E O	01/01/91	af/al	9.000	Test results include 1GPXJN-37E I, 1GPXJN-37F I, 1GPXJN-37F O
1GPXJN-37E O	09/25/92	af/al	0.000	Test results include 1GPXJN-37E I, 1GPXJN-37F I, 1GPXJN-37F O
1GPXJN-37E O	03/01/94	af/al	6.000	Test results include 1GPXJN-37E I, 1GPXJN-37F I, 1GPXJN-37F O
Containment Penetration P229F - 227.5" Downcomer				
1GPXJN-37F I	01/01/91	af/al	9.000	Test results include 1GPXJN-37E I, 1GPXJN-37E O, 1GPXJN-37F O
1GPXJN-37F I	09/25/92	af/al	0.000	Test results include 1GPXJN-37E I, 1GPXJN-37E O, 1GPXJN-37F O
1GPXJN-37F I	03/01/94	af/al	6.000	Test results include 1GPXJN-37E I, 1GPXJN-37E O, 1GPXJN-37F O
1GPXJN-37F O	01/01/91	af/al	9.000	Test results include 1GPXJN-37E I, 1GPXJN-37E O, 1GPXJN-37F I
1GPXJN-37F O	09/25/92	af/al	0.000	Test results include 1GPXJN-37E I, 1GPXJN-37E O, 1GPXJN-37F I
1GPXJN-37F O	03/01/94	af/al	6.000	Test results include 1GPXJN-37E I, 1GPXJN-37E O, 1GPXJN-37F I
Containment Penetration P229G - 292.5" Downcomer				
1GPXJN-37G I	01/01/91	af/al	3.000	Test results include 1GPXJN-37G O, 1GPXJN-37H I, 1GPXJN-37H O
1GPXJN-37G I	09/25/92	af/al	0.000	Test results include 1GPXJN-37G O, 1GPXJN-37H I, 1GPXJN-37H O
1GPXJN-37G I	03/01/94	af/al	0.000	Test results include 1GPXJN-37G O, 1GPXJN-37H I, 1GPXJN-37H O
1GPXJN-37G O	01/01/91	af/al	3.000	Test results include 1GPXJN-37G I, 1GPXJN-37H I, 1GPXJN-37H O
1GPXJN-37G O	09/25/92	af/al	0.000	Test results include 1GPXJN-37G I, 1GPXJN-37H I, 1GPXJN-37H O
1GPXJN-37G O	03/01/94	af/al	0.000	Test results include 1GPXJN-37G I, 1GPXJN-37H I, 1GPXJN-37H O
Containment Penetration P229H - 337.5" Downcomer				
1GPXJN-37H I	01/01/91	af/al	3.000	Test results include 1GPXJN-37G I, 1GPXJN-37G O, 1GPXJN-37H O
1GPXJN-37H I	09/25/92	af/al	0.000	Test results include 1GPXJN-37G I, 1GPXJN-37G O, 1GPXJN-37H O
1GPXJN-37H I	03/01/94	af/al	0.000	Test results include 1GPXJN-37G I, 1GPXJN-37G O, 1GPXJN-37H O
1GPXJN-37H O	01/01/91	af/al	3.000	Test results include 1GPXJN-37G I, 1GPXJN-37G O, 1GPXJN-37H I
1GPXJN-37H O	09/25/92	af/al	0.000	Test results include 1GPXJN-37G I, 1GPXJN-37G O, 1GPXJN-37H I
1GPXJN-37H O	03/01/94	af/al	0.000	Test results include 1GPXJN-37G I, 1GPXJN-37G O, 1GPXJN-37H I
Containment Penetration J3B - Hydrogen-Oxygen Analyzer				
1GSHV-4955B	01/18/91	af/al	10.900	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1GSHV-4955B	04/29/92	af	3.000	
1GSHV-4955B	04/30/92	ai	6.000	
1GSHV-4955B	09/26/92	af/ai	4.500	
1GSHV-4955B	03/10/94	af/ai	5.700	
1GSHV-4983B	01/18/91	af/ai	24.000	
1GSHV-4983B	04/29/92	af	47.000	
1GSHV-4983C	04/30/92	ai	12.000	
1GSHV-4983B	09/26/92	af/ai	5.500	
1GSHV-4983B	03/10/94	af/ai	3.000	
Containment Penetration J5A - Drywell Leak Detection				
1SKHV-4957	01/02/91	af/ai	83.000	
1SKHV-4957	09/21/92	af	91.000	
1SKHV-4957	10/02/92	ai	4.000	
1SKHV-4957	03/17/94	af/ai	17.000	
1SKHV-4981	01/02/91	af/ai	20.000	
1SKHV-4981	09/21/92	af/ai	75.000	
1SKHV-4981	05/18/93	af	> 1.0 La	
1SKHV-4981	05/18/93	ai	2.000	
1SKHV-4981	03/16/94	af/ai	21.000	
Containment Penetration J7D/J202 - Hydrogen-Oxygen Analyzer				
1GSHV-4966B	01/19/91	af/ai	103.000	
1GSHV-4966B	09/29/92	af/ai	175.000	
1GSHV-4966B	03/14/94	af/ai	65.000	
1GSHV-4984B	01/19/91	af/ai	82.000	Test results include 1GSHV-4974, 1GSHV-5022B
1GSHV-4984B	06/10/92	af	260.000	
1GSHV-4984B	06/11/92	ai	190.000	
1GSHV-4984B	09/29/92	af/ai	359.000	Test results include 1GSHV-4974, 1GSHV-5022B
1GSHV-4984B	03/10/94	af/ai	200.000	
1GSHV-5019B	01/19/91	af/ai	14.000	
1GSHV-5019B	06/10/92	af	93.000	
1GSHV-5019B	06/11/92	ai	47.000	
1GSHV-5019B	09/27/92	af/ai	6.500	
1GSHV-5019B	03/10/94	af/ai	45.600	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1GSHV-5022B	01/19/91	af/al	82.000	Test results include 1GSHV-4974, 1GSHV-4984B
1GSHV-5022B	09/29/92	af/al	359.000	Test results include 1GSHV-4974, 1GSHV-4984B
1GSHV-5022B	03/14/94	af/al	545.000	Test results include 1GSHV-4974
Containment Penetration J7D/J202 - Nitrogen Makeup				
1GSHV-4974	01/19/91	af/al	82.000	Test results include 1GSHV-4984B, 1GSHV-5022B
1GSHV-4974	09/29/92	af/al	359.000	Test results include 1GSHV-4984B, 1GSHV-5022B
1GSHV-4974	10/11/92	af/al	178.000	
1GSHV-4974	03/14/94	af	545.000	Test results include 1GSHV-5022B
1GSHV-4974	03/17/94	al	196.000	
Containment Penetration J7E - PASS				
1RCSV-0730A	12/13/90	af/al	0.000	
1RCSV-0730A	09/26/92	af/al	13.000	
1RCSV-0730A	03/17/94	af/al	16.000	
1RCSV-0730B	12/13/90	af/al	3.500	
1RCSV-0730B	09/26/92	af/al	10.000	
1RCSV-0730B	03/17/94	af/al	6.000	
Containment Penetration J8C - Drywell Leak Detection				
1SKHV-5018	01/02/91	af/al	13.000	
1SKHV-5018	09/21/92	af	45.000	
1SKHV-5018	10/02/92	al	31.000	
1SKHV-5018	03/18/94	af/al	14.000	
1SKHV-4953	01/02/91	af/al	3.000	
1SKHV-4953	09/21/92	af/al	40.000	
1SKHV-4953	05/18/93	af/al	4.000	
1SKHV-4953	03/16/94	af/al	27.000	
Containment Penetration J9E - Hydrogen-Oxygen Analyzer				
1GSHV-4955A	01/13/91	af/al	5.000	
1GSHV-4955A	04/15/92	af	2.000	
1GSHV-4955A	04/16/92	al	3.000	
1GSHV-4955A	10/01/92	al	0.000	
1GSHV-4955A	03/10/94	af/al	10.500	
1GSHV-4983A	01/13/91	af/al	9.000	
1GSHV-4983A	04/15/92	af	9.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1GSHV-4983A	04/16/92	al	0.000	
1GSHV-4983A	10/01/92	al	82.000	
1GSHV-4983A	03/10/94	af/al	138.500	
Containment Penetration J10C - Hydrogen-Oxygen Analyzer				
1GSHV-5019A	01/14/91	af/al	6.000	
1GSHV-5019A	04/22/92	af	35.000	
1GSHV-5019A	04/23/92	al	50.000	
1GSHV-5019A	10/02/92	al	18.000	
1GSHV-5019A	12/13/93	af	> 1.0 La	
1GSHV-5019A	12/14/93	al	21.500	
1GSHV-5019A	03/10/94	al	5.000	
1GSHV-4984A	01/14/91	af	64.000	
1GSHV-4984A	02/03/91	al	4.000	
1GSHV-4984A	04/22/92	af	40.000	
1GSHV-4984A	04/23/92	al	75.000	
1GSHV-4984A	08/12/92	al	102.000	
1GSHV-4984A	10/02/92	al	50.000	
1GSHV-4984A	03/10/94	af/al	5.000	
Containment Penetration J10E - PASS				
1RCSV-0731A	12/20/90	af/al	4.500	
1RCSV-0731A	09/26/92	af/al	13.200	
1RCSV-0731A	03/16/94	af/al	7.000	
1RCSV-0731B	12/20/90	af/al	4.500	
1RCSV-0731B	09/26/92	af/al	42.500	
1RCSV-0731B	03/16/94	af/al	36.000	
Containment Penetration J36C - CILRT Instrumentation				
1GPV-120	12/31/90	af/al	0.000	
1GPV-120	10/10/92	af/al	0.000	
1GPV-120	03/22/94	af/al	4.000	
1GPV-122	12/31/90	af/al	7.000	
1GPV-122	10/10/92	af/al	11.000	
1GPV-122	03/22/94	af/al	8.000	

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
Containment Penetration J36D - CILRT Instrumentation				
1GPV-001	12/31/90	af/al	7.000	
1GPV-001	10/10/92	af/al	0.000	
1GPV-001	03/22/94	af/al	3.000	
1GPV-002	12/31/90	af	> 1.0 La	
1GPV-002	12/31/90	al	0.000	
1GPV-002	10/10/92	af/al	21.000	
1GPV-002	03/22/94	af/al	10.000	
Containment Penetration J50 - PASS				
1RCSV-8903A	12/29/90	af/al	2.900	
1RCSV-8903A	09/25/92	af/al	63.000	
1RCSV-8903A	03/16/94	af/al	2.000	
1RCSV-8903B	12/29/90	af/al	32.900	
1RCSV-8903B	09/26/92	af/al	38.000	
1RCSV-8903B	03/16/94	af/al	35.000	
Containment Penetration J201 - Hydrogen-Oxygen Analyzer				
1GSHV-4966A	01/14/91	af/al	4.000	
1GSHV-4966A	10/05/92	af/al	2.000	
1GSHV-4966A	01/25/94	af	11.600	
1GSHV-4966A	01/27/94	al	6.600	
1GSHV-4966A	03/18/94	al	0.000	
1GSHV-5022A	01/14/91	af/al	2.000	
1GSHV-5022A	10/05/92	af/al	0.000	
1GSHV-5022A	01/25/94	af	14.100	
1GSHV-5022A	01/27/94	al	2.500	
1GSHV-5022A	03/18/94	al	5.000	
Containment Penetration J206 - PASS				
1RCSV-0728A	12/17/90	af/al	4.000	
1RCSV-0728A	09/26/92	af/al	35.800	
1RCSV-0728A	03/15/94	af/al	7.000	
1RCSV-0728B	12/17/90	af/al	3.000	
1RCSV-0728B	09/26/92	af/al	10.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1RCSV-0728B	03/15/94	af/al	7.000	
Containment Penetration J209 - CILRT Instrumentation				
1GPV-004	01/08/91	af/al	148.500	
1GPV-004	10/09/92	af	206.000	
1GPV-004	10/22/92	al	105.000	
1GPV-004	04/09/94	af/al	15.000	
1GPV-005	01/08/91	af/al	38.500	
1GPV-005	10/09/92	af/al	49.000	
1GPV-005	04/09/94	af/al	9.000	
Containment Penetration J210 - Hydrogen-Oxygen Analyzer				
1GSHV-4959B	01/21/91	af/al	2.000	
1GSHV-4959B	10/07/92	af/al	31.000	
1GSHV-4959B	03/15/94	af/al	4.000	
1GSHV-4965B	01/21/91	af/al	5.000	
1GSHV-4965B	10/07/92	af	18.000	
1GSHV-4965B	12/15/92	al	6.000	
1GSHV-4965B	03/15/94	af/al	2.000	
Containment Penetration J211 - PCIG				
1KLHV-5154	01/12/91	af	143.000	
1KLHV-5154	01/30/91	al	70.900	
1KLHV-5154	10/09/92	af	541.000	
1KLHV-5154	10/25/92	al	18.000	
1KLHV-5154	03/18/94	af	460.000	
1KLHV-5154	04/06/94	al	56.000	
1KLHV-5155	01/12/91	af	127.000	
1KLHV-5155	01/30/91	al	6.300	
1KLHV-5155	10/09/92	af	522.000	
1KLHV-5155	10/25/92	al	15.000	
1KLHV-5155	03/18/94	af/al	107.000	
Containment Penetration J212 - Hydrogen-Oxygen Analyzer				
1GSHV-4959A	01/14/91	af	0.000	
1GSHV-4959A	02/05/91	al	2.000	
1GSHV-4959A	07/21/92	af	63.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1GSHV-4959A	07/22/92	al	105.000	
1GSHV-4959A	10/06/92	al	10.000	
1GSHV-4959A	12/13/93	af	> 1.0 La	
1GSHV-4959A	12/14/93	al	80.000	
1GSHV-4959A	03/18/94	al	18.000	
1GSHV-4965A	01/14/91	af	112.000	
1GSHV-4965A	02/05/91	al	8.000	
1GSHV-4965A	07/21/92	af	99.000	
1GSHV-4965A	07/22/92	al	92.000	
1GSHV-4965A	10/06/92	al	15.000	
1GSHV-4965A	03/18/94	af	88.000	
1GSHV-4965A	03/18/94	al	18.000	
Containment Penetration J220 - PASS				
1RCSV-0707A	12/19/90	af/al	37.500	
1RCSV-0707A	09/25/92	af/al	41.600	
1RCSV-0707A	03/15/94	af/al	7.000	
1RCSV-0707B	12/19/90	af/al	25.500	
1RCSV-0707B	09/25/92	af/al	11.500	
1RCSV-0707B	03/16/94	af/al	9.000	
Containment Penetration J221 - PASS				
1RCSV-0729A	12/17/90	af/al	1.000	
1RCSV-0729A	09/26/92	af/al	43.000	
1RCSV-0729A	03/15/94	af/al	3.000	
1RCSV-0729B	12/17/90	af/al	4.000	
1RCSV-0729B	09/26/92	af/al	7.000	
1RCSV-0729B	03/15/94	af/al	12.000	
Containment Penetration C1 - Drywell Equipment Hatch				
C1	01/21/91	af/al	4.000	
C1	10/03/92	af/al	7.000	
C1	04/06/94	af/al	5.000	
Containment Penetration C2 - Drywell Equipment Hatch, Airlock				
C2	01/21/91	af/al	0.000	
C2	10/02/92	af/al	0.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix E (continued)

TIME	MASS (lbm)	GROSS LEAST SQUARES FIT LEAK RATE (% per day)	GROSS UPPER CONFIDENCE LEVEL LEAK RATE (% per day)	SUPERIMPOSED LEAK RATE (scfm)	NET LEAST SQUARES FIT LEAK RATE (% per day)	NET UPPER CONFIDENCE LEVEL LEAK RATE (% per day)
2020	97500	0.6533	0.6864	4.470	0.1570	0.1901
2025	97498	0.6527	0.6854	4.470	0.1564	0.1891

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Appendix F - Local Leakage Rate Test Data for Type B and Type C Tested Penetrations

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
Containment Penetration P1A - Main Steam				
1ABXJN-1A I	01/08/91	af/al	6.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
1ABXJN-1A I	09/13/92	af/al	181.000	Test results include 1ABXJN-12 I, 1ABXJN-1B I, 1ABXJN-1C I, 1ABXJN-1D I, 1AEXJN-2A I, 1AEXJN-2B I
1ABXJN-1A I	03/02/94	af/al	0.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
1ABXJN-1A O	01/08/91	af/al	6.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
1ABXJN-1A O	09/13/92	af/al	8.000	Test results include 1ABXJN-12 O, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D O, 1AEXJN-2A O, 1AEXJN-2B O
1ABXJN-1A O	03/02/94	af/al	0.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
Containment Penetration P1B - Main Steam				
1ABXJN-1B I	01/08/91	af/al	6.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
1ABXJN-1B I	09/13/92	af/al	181.000	Test results include 1ABXJN-12 I, 1ABXJN-1A I, 1ABXJN-1C I, 1ABXJN-1D I, 1AEXJN-2A I, 1AEXJN-2B I
1ABXJN-1B I	03/02/94	af/al	0.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
1ABXJN-1B O	01/08/91	af/al	6.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
1ABXJN-1B O	09/13/92	af/al	8.000	Test results include 1ABXJN-12 O, 1ABXJN-1A O, 1ABXJN-1C O, 1ABXJN-1D O, 1AEXJN-2A O, 1AEXJN-2B O
1ABXJN-1B O	03/02/94	af/al	0.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
Containment Penetration P1C - Main Steam				
1ABXJN-1C I	01/08/91	af	153.000	
1ABXJN-1C I	01/25/91	af	153.000	
1ABXJN-1C I	09/13/92	af/al	181.000	Test results include 1ABXJN-12 I, 1ABXJN-1A I, 1ABXJN-1B I, 1ABXJN-1D I, 1AEXJN-2A I, 1AEXJN-2B I
1ABXJN-1C I	03/12/94	af/al	202.000	
1ABXJN-1C O	01/08/91	af/al	6.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
1ABXJN-1C O	09/13/92	af/al	8.000	Test results include 1ABXJN-12 O, 1ABXJN-1A O, 1ABXJN-1B O, 1ABXJN-1D O, 1AEXJN-2A O, 1AEXJN-2B O
1ABXJN-1C O	03/02/94	af/al	0.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
Containment Penetration P1D - Main Steam				
1ABXJN-1D I	01/08/91	af/al	6.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
1ABXJN-1D I	09/13/92	af/al	181.000	Test results include 1ABXJN-12 I, 1ABXJN-1A I, 1ABXJN-1B I, 1ABXJN-1C I, 1AEXJN-2A I, 1AEXJN-2B I
1ABXJN-1D I	03/02/94	af/al	0.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
1ABXJN-1D O	01/08/91	af/al	6.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D I, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
1ABXJN-1D O	09/13/92	af/al	8.000	Test results include 1ABXJN-12 O, 1ABXJN-1A O, 1ABXJN-1B O, 1ABXJN-1C O, 1AEXJN-2A O, 1AEXJN-2B O
1ABXJN-1D O	03/02/94	af/al	0.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D I, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
Containment Penetration P2A - Feedwater				
1AEV-003	01/18/91	af	> 1.0 La	
1AEV-003	01/29/91	ai	20794.000	
1AEV-003	10/04/92	af	> 1.0 La	
1AEV-003	10/17/92	ai	69.000	
1AEV-003	03/31/94	af	1326.000	
1AEHV-F074B	01/19/91	af/al	6.000	
1AEHV-F074B	10/04/92	af/al	15.000	
1AEHV-F074B	03/31/94	af	15300.000	
1AEHV-F074B	04/16/94	ai	18600.000	
1AEXJN-2A I	01/08/91	af/al	6.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
1AEXJN-2A I	09/13/92	af/al	181.000	Test results include 1ABXJN-12 I, 1ABXJN-1A I, 1ABXJN-1B I, 1ABXJN-1C I, 1ABXJN-1D I, 1AEXJN-2B I
1AEXJN-2A I	03/02/94	af/al	0.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C I, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
1AEXJN-2A O	01/08/91	af/al	6.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2B I, 1AEXJN-2B O
1AEXJN-2A O	09/13/92	af/al	8.000	Test results include 1ABXJN-12 O, 1ABXJN-1A O, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D O, 1AEXJN-2B O
1AEXJN-2A O	03/02/94	af	0.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C I, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2B I, 1AEXJN-2B O
Containment Penetration P2B - Feedwater				
1AEV-007	01/18/91	af	> 1.0 La	
1AEV-007	01/29/91	ai	540.000	

**Reactor Containment Building Integrated Leak Rate Test.
Hope Creek Generating Station, April 1994**

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1AEV-007	10/04/92	af	> 1.0 La	
1AEV-007	10/15/92	al	4020.000	
1AEV-007	03/30/94	af	> 1.0 La	
1AEV-007	04/09/94	al	2250.000	
1AEHV-F074A	01/19/91	af	790.000	
1AEHV-F074A	01/30/91	al	7110.000	
1AEHV-F074A	10/04/92	af/al	8.000	
1AEHV-F074A	03/30/94	af/al	854.000	
1AEXJN-2B I	01/08/91	af/al	6.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D I, 1ABJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B O
1AEXJN-2B I	09/13/92	af/al	181.000	Test results include 1ABXJN-12 I, 1ABXJN-1A I, 1ABXJN-1B I, 1ABXJN-1C I, 1ABXJN-1D I, 1AEXJN-2A I
1AEXJN-2B I	03/02/94	af/al	0.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C I, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B O
1AEXJN-2B O	01/08/91	af/al	6.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D I, 1ABJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I
1AEXJN-2B O	09/13/92	af/al	8.000	Test results include 1ABXJN-12 O, 1ABXJN-1A O, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D O, 1AEXJN-2A O
1AEXJN-2B O	03/02/94	af/al	0.000	Test results include 1ABXJN-12 I, 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C I, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I
Containment Penetration P3 - RHR (Shutdown Cooling)				
1BCHV-F009	01/13/91	af/al	860.000	
1BCHV-F009	09/28/92	af	941.000	
1BCHV-F009	10/01/92	al	1250.000	
1BCHV-F009	03/24/94	af/al	35.000	
1BCPSV-4425	01/13/91	af/al	928.000	Test results include 1BCHV-F008
1BCPSV-4425	09/28/92	af	1119.000	Test results include 1BCHV-F008
1BCPSV-4425	10/01/92	al	478.000	Test results include 1BCHV-F008
1BCPSV-4425	03/24/94	af	15.000	Test results include 1BCHV-F008
1BCPSV-4425	03/26/94	al	360.000	Test results include 1BCHV-F008
1BCHV-F008	01/13/91	af/al	928.000	Test results include 1BCPSV-4425
1BCHV-F008	09/28/92	af	1119.000	Test results include 1BCPSV-4425
1BCHV-F008	10/01/92	al	478.000	Test results include 1BCPSV-4425
1BCHV-F008	03/24/94	af	15.000	Test results include 1BCPSV-4425
1BCHV-F008	03/26/94	al	360.000	Test results include 1BCPSV-4425

**Reactor Containment Building Integrated Leak Rate Test.
Hope Creek Generating Station, April 1994**

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1BCXJN-3 I	01/03/91	af/al	40.500	Test results include 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-3 I	10/08/92	af/al	37.000	Test results include 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-3 I	03/01/94	af/al	34.000	Test results include 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-3 O	01/03/91	af/al	40.500	Test results include 1BCXJN-3 I, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-3 O	10/08/92	af/al	37.000	Test results include 1BCXJN-3 I, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-3 O	03/01/94	af/al	34.000	Test results include 1BCXJN-3 I, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38B I, 1GBXJN-38B O
Containment Penetration P4A - RHR (Shutdown Cooling)				
1BCHV-F050B	01/16/91	af/al	90.000	Test results include 1BCHV-F122B
1BCHV-F050B	10/23/92	af	890.000	Test results include 1BCHV-F122B
1BCHV-F050B	10/30/92	al	863.000	Test results include 1BCHV-F122B
1BCHV-F050B	03/23/94	af	340.000	Test results include 1BCHV-F122B
1BCHV-F050B	04/03/94	al	330.000	Test results include 1BCHV-F122B
1BCHV-F122B	01/16/91	af/al	90.000	Test results include 1BCHV-F050B
1BCHV-F122B	10/23/92	af	890.000	Test results include 1BCHV-F050B
1BCHV-F122B	10/30/92	al	863.000	Test results include 1BCHV-F050B
1BCHV-F122B	03/23/94	af	340.000	Test results include 1BCHV-F050B
1BCHV-F122B	04/03/94	al	330.000	Test results include 1BCHV-F050B
1BCHV-F015B	01/16/91	af/al	11.000	
1BCHV-F015B	10/24/92	af	14.000	
1BCHV-F015B	10/30/92	al	41.000	
1BCHV-F015B	03/23/94	af/al	1.000	
1BCXJN-4A I	01/10/91	af/al	12.000	Test results include 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BCXJN-4A I	09/22/92	af/al	7.000	Test results include 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BCXJN-4A I	03/01/94	af/al	6.000	Test results include 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (ccm)	COMMENTS
1BCXJN-4A O	01/10/91	af/al	12.000	Test results include 1BCXJN-4A I, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BCXJN-4A O	09/22/92	af/al	7.000	Test results include 1BCXJN-4A I, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BCXJN-4A O	03/01/94	af/al	6.000	Test results include 1BCXJN-4A I, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
Containment Penetration P4B - RHR (Shutdown Cooling)				
1BCHV-F050A	01/04/91	af/al	50.000	Test results include 1BCHV-F122A
1BCHV-F050A	09/22/92	af/al	58.400	Test results include 1BCHV-F122A
1BCHV-F050A	03/12/94	af	75.000	Test results include 1BCHV-F122A
1BCHV-F050A	03/19/94	ai	1740.000	Test results include 1BCHV-F122A
1BCHV-F122A	01/04/91	af/al	50.000	Test results include 1BCHV-F050A
1BCHV-F122A	09/22/92	af/al	58.400	Test results include 1BCHV-F050A
1BCHV-F122A	03/12/94	af	75.000	Test results include 1BCHV-F050A
1BCHV-F122A	03/19/94	ai	1740.000	Test results include 1BCHV-F050A
1BCHV-F015A	01/04/91	af/al	0.000	
1BCHV-F015A	09/22/92	af	0.000	
1BCHV-F015A	09/30/92	ai	0.000	
1BCHV-F015A	03/12/94	af	0.000	
1BCXJN-4B I	01/03/91	af/al	40.500	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-4B I	10/08/92	af/ai	37.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-4B I	03/01/94	af/al	34.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-4B O	01/03/91	af/al	40.500	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-4B O	10/08/92	af/al	37.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38B I, 1GBXJN-38B O

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1BCXJN-4B O	03/21/94	af/ai	34.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GEYJN-38B I, 1GBXJN-38B O
Containment Penetration P5A - Core Spray				
1BEHV-F006B	01/18/91	af/ai	790.000	Test results include 1BEHV-F039B
1BEHV-F006B	09/18/92	af/ai	50.000	Test results include 1BEHV-F039B
1BEHV-F006B	03/24/94	af	3.000	Test results include 1BEHV-F039B
1BEHV-F006B	04/08/94	ai	724.000	Test results include 1BEHV-F039B
1BEHV-F039B	01/18/91	af/ai	790.000	Test results include 1BEHV-F006B
1BEHV-F039B	09/18/92	af/ai	50.000	Test results include 1BEHV-F006B
1BEHV-F039B	03/24/94	af	3.000	Test results include 1BEHV-F006B
1BEHV-F039B	04/08/94	ai	724.000	Test results include 1BEHV-F006B
1BEHV-F005B	01/18/91	af/ai	2.000	
1BEHV-F005B	09/18/92	af/ai	212.000	
1BEHV-F005B	03/24/94	af	0.000	
1BEHV-F005B	04/09/94	ai	28.000	
1BEXJN-5A I	01/10/91	af/ai	12.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BEXJN-5A I	09/22/92	af/ai	7.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BEXJN-5A I	03/01/94	af/ai	6.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BEXJN-5A O	01/10/91	af/ai	12.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BEXJN-5A O	09/22/92	af/ai	7.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BEXJN-5A O	03/01/94	af/ai	6.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
Containment Penetration P5B - Core Spray				
1BEHV-F006A	01/03/91	af	2180.000	Test results include 1BEHV-F039A
1BEHV-F006A	01/04/91	ai	2890.000	Test results include 1BEHV-F039A
1BEHV-F006A	09/24/92	af	1380.000	Test results include 1BEHV-F039A
1BEHV-F006A	10/10/92	ai	1700.000	
1BEHV-F006A	03/11/94	af/ai	670.000	Test results include 1BEHV-F039A

**Reactor Containment Building Integrated Leak Rate Test-
Hope Creek Generating Station, April 1994**

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1BEHV-F039A	01/03/91	af	2180.000	Test results include 1BEHV-F006A
1BEHV-F039A	01/04/91	ai	2890.000	Test results include 1BEHV-F006A
1BEHV-F039A	09/24/92	af	1380.000	Test results include 1BEHV-F006A
1BEHV-F039A	10/10/92	ai	144.000	
1BEHV-F039A	03/11/94	af/ai	670.000	Test results include 1BEHV-F006A
1BEHV-F005A	01/04/91	af/ai	841.000	Test results include 1BJHV-F006
1BEHV-F005A	09/24/92	af	1360.000	Test results include 1BJHV-F006
1BEHV-F005A	10/09/92	ai	874.000	Test results include 1BJHV-F006
1BEHV-F005A	03/11/94	af	877.000	Test results include 1BJHV-F006
1BEHV-F005A	03/18/94	ai	1730.000	Test results include 1BJHV-F006
Containment Penetration: P5B - HPCI				
1BJHV-F006	01/04/91	af/ai	841.000	Test results include 1BEHV-F005A
1BJHV-F006	09/24/92	af/ai	1360.000	Test results include 1BEHV-F005A
1BJHV-F006	10/09/92	ai	874.000	Test results include 1BEHV-F005A
1BJHV-F006	12/02/93	ai	861.000	
1BJHV-F006	03/11/94	af	877.000	Test results include 1BEHV-F005A
1BJHV-F006	03/18/94	ai	1730.000	Test results include 1BEHV-F005A
1BEXJN-5B I	01/03/91	af/ai	40.500	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1BEXJN-5B I	10/08/92	af/ai	37.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1BEXJN-5B I	03/01/94	af/ai	34.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1BEXJN-5B O	01/03/91	af/ai	40.500	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1BEXJN-5B O	10/08/92	af/ai	37.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1BEXJN-5B O	03/01/94	af/ai	34.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
Containment Penetration P6A - RHR (LPCI)				
1BCHV-F041D	01/18/91	af/ai	600.000	Test results include 1BCHV-F146D

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1BCHV-F041D	09/13/92	af/al	1114.000	Test results include 1BCHV-F146D
1BCHV-F041D	03/23/94	af	120.000	Test results include 1BCHV-F146D
1BCHV-F041D	04/01/94	al	2540.000	
1BCHV-F146D	01/18/91	af/al	600.000	Test results include 1BCHV-F041D
1BCHV-F146D	09/13/92	af/al	1114.000	Test results include 1BCHV-F041D
1BCHV-F146D	03/23/94	af/al	120.000	Test results include 1BCHV-F041D
1BCHV-F017D	01/18/91	af/al	29.000	
1BCHV-F017D	09/13/92	af	8.000	
1BCHV-F017D	09/18/92	al	0.000	
1BCHV-F017D	03/23/94	af/al	10.000	
1BCXJN-6A I	01/10/91	af/al	12.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BCXJN-6A I	09/22/92	af/al	7.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BCXJN-6A I	03/01/94	af/al	6.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BCXJN-6A O	01/10/91	af/al	12.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BCXJN-6A O	09/22/92	af/al	7.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BCXJN-6A O	03/01/94	af/al	6.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
Containment Penetration P6B - RHR (LPCI)				
1BCHV-F041B	01/16/91	af/al	335.000	Test results include 1BCHV-F146B
1BCHV-F041B	10/25/92	af	521.000	Test results include 1BCHV-F146B
1BCHV-F041B	10/28/92	al	460.000	Test results include 1BCHV-F146B
1BCHV-F041B	03/23/94	af	3.000	Test results include 1BCHV-F146B
1BCHV-F041B	04/06/94	al	843.000	Test results include 1BCHV-F146B
1BCHV-F146B	01/16/91	af/al	335.000	Test results include 1BCHV-F041B
1BCHV-F146B	10/25/92	af	521.000	Test results include 1BCHV-F041B
1BCHV-F146B	10/28/92	al	460.000	Test results include 1BCHV-F041B
1BCHV-F146B	03/23/94	af	3.000	Test results include 1BCHV-F041B
1BCHV-F146B	04/06/94	al	843.000	Test results include 1BCHV-F041B

**Reactor Containment Building Integrated Leak Rate Test-
Hope Creek Generating Station, April 1994**

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1BCHV-F017B	01/16/91	ai/al	58.000	
1BCHV-F017B	10/25/92	af	21.000	
1BCHV-F017B	11/01/92	ai	185.000	
1BCHV-F017B	03/23/94	af/al	0.000	
1BCXJN-6B I	01/10/91	af/al	12.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BCXJN-6B I	09/22/92	af/al	7.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BCXJN-6B I	03/01/94	af/al	6.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BCXJN-6B O	01/10/91	af/al	12.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BCXJN-6B O	09/22/92	af/al	7.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1BCXJN-6B O	03/01/94	af/al	6.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
Containment Penetration P6C - RHR (LPCI)				
1BCHV-F041A	01/04/91	af	> 1.0 La	Test results include 1BCHV-F146A
1BCHV-F041A	01/10/91	ai	45.900	Test results include 1BCHV-F146A
1BCHV-F041A	09/24/92	af/al	2.500	Test results include 1BCHV-F146A
1BCHV-F041A	03/12/94	af	38.000	Test results include 1BCHV-F146A
1BCHV-F041A	03/19/94	ai	1336.000	Test results include 1BCHV-F146A
1BCHV-F146A	01/04/91	af	> 1.0 La	Test results include 1BCHV-F041A
1BCHV-F146A	01/10/91	ai	45.900	Test results include 1BCHV-F041A
1BCHV-F146A	09/24/92	af/al	2.500	Test results include 1BCHV-F041A
1BCHV-F146A	03/12/94	af	38.000	Test results include 1BCHV-F041A
1BCHV-F146A	03/19/94	ai	1336.000	Test results include 1BCHV-F041A
1BCHV-F017A	01/04/91	af/al	0.000	
1BCHV-F017A	09/24/92	af	31.400	
1BCHV-F017A	09/28/92	ai	15.000	
1BCHV-F017A	03/12/94	af/al	15.000	
1BCXJN-6C I	01/03/91	af/al	40.500	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1BCXJN-6C I	10/08/92	af/al	37.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-6C I	03/01/94	af/al	34.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-6C O	01/03/91	af/al	40.500	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-6C O	10/08/92	af/al	37.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-6C O	03/01/94	af/al	34.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38B I, 1GBXJN-38B O
Containment Penetration P6D - RHR (LPCI)				
1BCHV-F041C	12/28/90	af	> 1.0 La	Test results include 1BCHV-F146C
1BCHV-F041C	01/01/91	al	0.200	Test results include 1BCHV-F146C
1BCHV-F041C	09/23/92	af	> 1.0 La	Test results include 1BCHV-F146C
1BCHV-F041C	10/03/92	al	144.500	Test results include 1BCHV-F146C
1BCHV-F041C	03/06/94	af/al	132.000	Test results include 1BCHV-F146C
1BCHV-F146C	12/28/90	af	> 1.0 La	Test results include 1BCHV-F041C
1BCHV-F146C	01/01/91	al	0.200	Test results include 1BCHV-F041C
1BCHV-F146C	09/23/92	af	> 1.0 La	Test results include 1BCHV-F041C
1BCHV-F146C	10/03/92	al	144.500	Test results include 1BCHV-F041C
1BCHV-F146C	03/06/94	af/al	132.000	Test results include 1BCHV-F041C
1BCHV-F017C	12/28/90	af/al	0.000	
1BCHV-F017C	09/23/92	af	1.800	
1BCHV-F017C	09/29/92	al	870.000	
1BCHV-F017C	03/06/94	af/al	230.000	
1BCXJN-6D I	01/03/91	af/al	40.500	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-6D I	10/08/92	af/al	37.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38B I, 1GBXJN-38B O

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1BCXJN-6D I	03/01/94	af/al	34.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-6D O	01/03/91	af/al	40.500	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-6D O	10/08/92	af/al	37.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1BCXJN-6D O	03/01/94	af/al	34.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38B I, 1GBXJN-38B O
Containment Penetration: P7 - HPCI Steam				
1FDHV-F002	12/31/90	af	3960.000	
1FDHV-F002	01/12/91	al	0.000	
1FDHV-F002	09/19/92	af	1102.000	
1FDHV-F002	11/02/92	al	470.000	
1FDHV-F002	03/08/94	af/al	15.000	
1FDHV-F100	12/31/90	af/al	3.000	
1FDHV-F100	03/08/92	af	> 1.0 La	
1FDHV-F100	03/12/92	al	26.000	
1FDHV-F100	09/19/92	af	10.000	
1FDHV-F100	10/24/92	al	4.000	
1FDHV-F100	12/03/93	af	> 1.0 La	
1FDHV-F100	12/03/93	al	58.000	
1FDHV-F100	03/16/94	af/al	2.000	
1FDHV-F003	12/30/90	af/al	2.000	
1FDHV-F003	09/18/92	af	240.000	
1FDHV-F003	10/24/92	al	0.000	
1FDHV-F003	03/09/94	af	61.000	
1FDHV-F003	03/31/94	al	18.000	
1FDXJN-7 I	01/03/91	af/al	40.500	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1FDXJN-7 I	10/08/92	af/al	37.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1FDXJN-7 I	03/01/94	af/al	34.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 O, 1GBXJN-38B I, 1GBXJN-38B O
1FDXJN-7 O	01/03/91	af/al	40.500	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1FDXJN-7 O	10/08/92	af/al	37.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1FDXJN-7 O	03/01/94	af/al	34.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1GBXJN-38B I, 1GBXJN-38B O
Containment Penetration P8A - Chill Water				
1GBHV-9531B2	01/09/91	af	9750.000	
1GBHV-9531B2	01/12/91	ai	549.000	
1GBHV-9531B2	10/06/92	af	9350.000	
1GBHV-9531B2	10/11/92	ai	1161.000	
1GBHV-9531B2	03/29/94	af/al	422.000	
1GBPSV-9523A	01/09/91	af/al	317.000	Test results include 1GBHV-9531A2
1GBPSV-9523A	10/06/92	af	222.000	Test results include 1GBHV-9531A2
1GBPSV-9523A	10/13/92	ai	285.000	Test results include 1GBHV-9531A2
1GBPSV-9523A	03/28/94	af/al	167.000	Test results include 1GBHV-9531A2
1GBHV-9531A2	01/09/91	af/al	317.000	Test results include 1GBPSV-9523A
1GBHV-9531A2	10/06/92	af	222.000	Test results include 1GBPSV-9523A
1GBHV-9531A2	10/13/92	ai	285.000	Test results include 1GBPSV-9523A
1GBHV-9531A2	03/28/94	af/al	167.000	Test results include 1GBPSV-9523A
1GBXJN-8A I	01/10/91	af/al	12.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1GBXJN-8A I	09/22/92	af/al	7.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1GBXJN-8A I	03/01/94	af/al	6.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1GBXJN-8A O	01/10/91	af/al	12.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8B I, 1GBXJN-8B O
1GBXJN-8A O	09/22/92	af/al	7.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8B I, 1GBXJN-8B O

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1GBXJN-8A O	03/01/94	af/al	6.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8B I, 1GBXJN-8B O
Containment Penetration P8B - Chill Water				
1GBHV-9531B1	01/09/91	af	7090.000	
1GBHV-9531B1	01/14/91	al	538.000	
1GBHV-9531B1	10/05/92	af	4710.000	
1GBHV-9531B1	10/11/92	al	749.000	
1GBHV-9531B1	03/29/94	af	2080.000	
1GBHV-9531B1	03/29/94	al	967.000	
1GBPSV-9522A	01/09/91	af/al	310.000	Test results include 1GBHV-9531A1
1GBPSV-9522A	10/05/92	af/al	350.000	Test results include 1GBHV-9531A1
1GBPSV-9522A	03/28/94	af/al	725.000	Test results include 1GBHV-9531A1
1GBHV-9531A1	01/09/91	af/al	310.000	Test results include 1GBPSV-9522A
1GBHV-9531A1	10/05/92	af	350.000	Test results include 1GBPSV-9522A
1GBHV-9531A1	10/13/92	al	35.000	
1GBHV-9531A1	03/28/94	af/al	725.000	Test results include 1GBPSV-9522A
1GBXJN-8B I	01/10/91	af/al	12.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B O
1GBXJN-8B I	09/22/92	af/al	7.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B O
1GBXJN-8B I	03/01/94	af/al	6.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B O
1GBXJN-8B O	01/10/91	af/al	12.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I
1GBXJN-8B O	09/22/92	af/al	7.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I
1GBXJN-8B O	03/01/94	af/al	6.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I
Containment Penetration P9 - RWCU				
1BGHV-F001	01/17/91	af/al	18.000	
1BGHV-F001	10/03/92	af/al	27.000	
1BGHV-F001	04/01/94	af	17.000	
1BGHV-F001	04/07/94	al	8.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1BGHV-F004	01/17/91	af/al	63.700	
1BGHV-F004	10/03/92	af/al	48.000	
1BGHV-F004	04/01/94	af	84.000	
1BGHV-F004	04/07/94	al	140.000	
1BGXJN-9 I	01/11/91	af/al	0.000	Test results include 1BCXJN-10 I, 1BCXJN-10 O, 1BGXJN-9 O
1BGXJN-9 I	09/30/92	af/al	16.500	Test results include 1BCXJN-10 I, 1BCXJN-10 O, 1BGXJN-9 O
1BGXJN-9 I	03/02/94	af/al	11.100	Test results include 1BCXJN-10 I, 1BCXJN-10 O, 1BGXJN-9 O
1BGXJN-9 O	01/11/91	af/al	0.000	Test results include 1BCXJN-10 I, 1BCXJN-10 O, 1BGXJN-9 I
1BGXJN-9 O	09/30/92	af/al	16.500	Test results include 1BCXJN-10 I, 1BCXJN-10 O, 1BGXJN-9 I
1BGXJN-9 O	03/02/94	af/al	11.100	Test results include 1BCXJN-10 I, 1BCXJN-10 O, 1BGXJN-9 I
Containment Penetration P10 - RHR (Head Spray)				
1BCHV-F022	01/16/91	af/al	10.000	
1BCHV-F022	09/16/92	af	6.000	
1BCHV-F022	10/22/92	al	0.000	
1BCHV-F022	03/07/94	af	0.000	
1BCHV-F022	04/08/94	al	10.000	
1BCHV-F023	01/16/91	af/al	25.000	
1BCHV-F023	10/24/92	af	5.000	
1BCHV-F023	11/01/92	al	12.000	
1BCHV-F023	03/24/94	af/al	11.000	
1BCXJN-10 I	01/11/91	af/al	0.000	Test results include 1BCXJN-10 O, 1BGXJN-9 I, 1BGXJN-9 O
1BCXJN-10 I	09/30/92	af/al	16.500	Test results include 1BCXJN-10 O, 1BGXJN-9 I, 1BGXJN-9 O
1BCXJN-10 I	03/02/94	af/al	11.100	Test results include 1BCXJN-10 O, 1BGXJN-9 I, 1BGXJN-9 O
1BCXJN-10 O	01/11/91	af/al	0.000	Test results include 1BCXJN-10 I, 1BGXJN-9 I, 1BGXJN-9 O
1BCXJN-10 O	09/30/92	af/al	16.500	Test results include 1BCXJN-10 I, 1BGXJN-9 I, 1BGXJN-9 O
1BCXJN-10 O	03/02/94	af/al	11.100	Test results include 1BCXJN-10 I, 1BGXJN-9 I, 1BGXJN-9 O
Containment Penetration P11 - RCIC Steam				
1FCHV-F007	12/30/90	af/al	3.500	
1FCHV-F007	09/19/92	af	12.000	
1FCHV-F007	10/12/92	al	4.000	
1FCHV-F007	03/08/94	af/al	4.000	
1FCHV-F076	12/30/90	af/al	0.000	

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1FCHV-F076	09/19/92	af	4.000	
1FCHV-F076	10/12/92	al	4.000	
1FCHV-F076	03/08/94	af/al	10.000	
1FCHV-F008	12/30/90	af/al	48.000	
1FCHV-F008	09/19/92	af	121.000	
1FCHV-F008	10/12/92	al	50.000	
1FCHV-F008	03/08/94	af/al	38.000	
1FCXJN-11 I	01/10/91	af/al	12.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1FCXJN-11 I	09/22/92	af/al	7.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1FCXJN-11 I	03/01/94	af/al	6.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 O, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1FCXJN-11 O	01/10/91	af/al	12.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1FCXJN-11 O	09/22/92	af/al	7.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
1FCXJN-11 O	03/01/94	af/al	6.000	Test results include 1BCXJN-4A I, 1BCXJN-4A O, 1BCXJN-6A I, 1BCXJN-6A O, 1BCXJN-6B I, 1BCXJN-6B O, 1BEXJN-5A I, 1BEXJN-5A O, 1FCXJN-11 I, 1GBXJN-8A I, 1GBXJN-8A O, 1GBXJN-8B I, 1GBXJN-8B O
Containment Penetration P12 - Main Steam Drain				
1ABHV-F016	01/27/91	af	9310.000	
1ABHV-F016	02/08/91	al	858.000	
1ABHV-F016	10/13/92	af	19410.000	
1ABHV-F016	10/30/92	al	4.000	
1ABHV-F016	03/17/94	af	40100.000	
1ABHV-F016	04/10/94	al	93.000	
1ABHV-F019	02/04/91	af/al	140.000	
1ABHV-F019	10/13/92	af	23.000	
1ABHV-F019	10/24/92	al	264.000	
1ABHV-F019	03/17/94	af/al	16.000	
1ABXJN-12 I	09/13/92	af/al	181.000	Test results include 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C I, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
1ABXJN-12 I	09/13/92	af/al	181.000	Test results include 1ABXJN-1A I, 1ABXJN-1B I, 1ABXJN-1C I, 1ABXJN-1D I, 1AEXJN-2A I, 1AEXJN-2B I

**Reactor Containment Building Integrated Leak Rate Test-
Hope Creek Generating Station, April 1994**

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1ABXJN-12 I	03/02/94	af/al	0.000	Test results include 1ABXJN-12 O, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C I, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
1ABXJN-12 O	09/13/92	af/al	181.000	Test results include 1ABXJN-12 I, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C I, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
1ABXJN-12 O	09/13/92	af/al	8.000	Test results include 1ABXJN-1A O, 1ABXJN-1B O, 1ABXJN-1C O, 1ABXJN-1D O, 1AEXJN-2A O, 1AEXJN-2B O
1ABXJN-12 O	03/02/94	af/al	0.000	Test results include 1ABXJN-12 I, 1ABXJN-1A I, 1ABXJN-1A O, 1ABXJN-1B I, 1ABXJN-1B O, 1ABXJN-1C I, 1ABXJN-1C O, 1ABXJN-1D I, 1ABXJN-1D O, 1AEXJN-2A I, 1AEXJN-2A O, 1AEXJN-2B I, 1AEXJN-2B O
Containment Penetration P17 - Recirculation Sample				
1BBSV-4310	12/28/90	af	14930.000	
1BBSV-4310	01/21/91	al	8.000	
1BBSV-4310	10/09/92	af/al	12.000	
1BBSV-4310	03/28/94	af	329.000	
1BBSV-4310	04/16/94	al	253.000	
1BBSV-4311	12/28/90	af	10100.000	
1BBSV-4311	01/21/91	al	7.000	
1BBSV-4311	10/09/92	af/al	18.000	
1BBSV-4311	03/28/94	af	729.000	
1BBSV-4311	04/16/94	al	10.000	
Containment Penetration P18 - SLC				
1BHV-029	01/26/91	af/al	60.500	
1BHV-029	10/06/92	af	4090.000	
1BHV-029	10/14/92	al	46.000	
1BHV-029	03/26/94	af/al	99.000	
1BHHV-F006A	01/22/91	af/al	2.500	Test results include 1BHHV-F006B
1BHHV-F006A	10/07/92	af/al	0.000	Test results include 1BHHV-F006B
1BHHV-F006A	03/26/94	af/al	4.000	Test results include 1BHHV-F006B
1BHHV-F006B	01/22/91	af/al	2.500	Test results include 1BHHV-F006A
1BHHV-F006B	10/07/92	af/al	0.000	Test results include 1BHHV-F006A
1BHHV-F006B	03/26/94	af/al	4.000	Test results include 1BHHV-F006A
Containment Penetration P19 - Recirculation Pump Seal Purge				
1BBV-043	11/07/90	af/al	5.000	
1BBV-043	09/15/92	af/al	103.000	
1BBV-043	03/14/94	af/al	4.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1BFHV-3800A	11/08/90	af	> 1.0 La	
1BFHV-3800A	11/08/90	ai	42.000	
1BFHV-3800A	09/15/92	af/ai	0.000	
1BFHV-3800A	03/15/94	af/ai	4.000	
Containment Penetration P20 - Recirculation Pump seal Purge				
1BBV-047	01/21/91	af/ai	16.000	
1BBV-047	10/07/92	af/ai	158.000	
1BBV-047	03/27/94	af	5.000	
1BFHV-3800B	01/22/91	af/ai	5.000	
1BFHV-3800B	10/08/92	af/ai	1.200	
1BFHV-3800B	03/27/94	af	2.000	
1BFHV-3800B	03/31/94	ai	2.000	
Containment Penetration P22 - Hydrogen Recombiner				
1GSHV-5050B	01/07/91	af/ai	13.000	
1GSHV-5050B	09/25/92	af/ai	18.000	
1GSHV-5050B	03/09/94	af	15.000	
1GSHV-5050B	03/16/94	ai	54.000	
1GSHV-5052B	01/07/91	af/ai	11.000	
1GSHV-5052B	09/25/92	af/ai	20.000	
1GSHV-5052B	03/09/94	af	17.000	
1GSHV-5052B	04/05/94	ai	33.000	
Containment Penetration P22/P220 - Drywell Purge				
1GSHV-4956	01/07/91	af/ai	755.000	Test results include 1GSHV-4978, 1GSHV-4979
1GSHV-4956	04/19/91	af/ai	876.000	Test results include 1GSHV-4978, 1GSHV-4979
1GSHV-4956	07/19/91	af/ai	759.000	Test results include 1GSHV-4978, 1GSHV-4979
1GSHV-4956	10/18/91	af/ai	790.000	Test results include 1GSHV-4978, 1GSHV-4979
1GSHV-4956	01/17/92	af	> 1.0 La	Test results include 1GSHV-4978, 1GSHV-4979
1GSHV-4956	03/11/92	ai	130.000	Test results include 1GSHV-4978, 1GSHV-4979
1GSHV-4956	06/12/92	af/ai	850.000	Test results include 1GSHV-4978, 1GSHV-4979
1GSHV-4956	09/25/92	af/ai	60.000	Test results include 1GSHV-4978, 1GSHV-4979
1GSHV-4956	12/18/92	af/ai	700.000	Test results include 1GSHV-4978, 1GSHV-4979
1GSHV-4956	03/19/93	af/ai	825.000	Test results include 1GSHV-4978, 1GSHV-4979
1GSHV-4956	06/18/93	af/ai	279.000	Test results include 1GSHV-4978, 1GSHV-4979
1GSHV-4956	09/17/93	af/ai	191.000	Test results include 1GSHV-4978, 1GSHV-4979
1GSHV-4956	12/03/93	af/ai	821.000	Test results include 1GSHV-4978, 1GSHV-4979

Reactor Containment Building Integrated Leak Rate Test.
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1GSHV-4956	03/06/94	af	190.000	Test results include 1GSHV-4978, 1GSHV-4979
1GSHV-4956	04/23/94	ai	53.000	Test results include 1GSHV-4978, 1GSHV-4979
1GSHV-4978	01/07/91	af/ai	755.000	Test results include 1GSHV-4956, 1GSHV-4979
1GSHV-4978	04/19/91	af/ai	876.000	Test results include 1GSHV-4956, 1GSHV-4979
1GSHV-4978	07/19/91	af/ai	759.000	Test results include 1GSHV-4956, 1GSHV-4979
1GSHV-4978	10/15/91	af/ai	790.000	Test results include 1GSHV-4956, 1GSHV-4979
1GSHV-4978	01/17/92	af	> 1.0 La	Test results include 1GSHV-4956, 1GSHV-4979
1GSHV-4978 BF	01/17/92	ai	18.000	Blind flange installed at 1GSHV-4978
1GSHV-4978	03/10/92	af	123.000	Test results include 1GSHV-4979
1GSHV-4978	03/11/92	ai	130.000	Test results include 1GSHV-4956, 1GSHV-4979
1GSHV-4978	06/12/92	af/ai	850.000	Test results include 1GSHV-4956, 1GSHV-4979
1GSHV-4978	09/25/92	af/ai	60.000	Test results include 1GSHV-4956, 1GSHV-4979
1GSHV-4978	12/18/92	af/ai	700.000	Test results include 1GSHV-4956, 1GSHV-4979
1GSHV-4978	03/19/93	af/ai	825.000	Test results include 1GSHV-4956, 1GSHV-4979
1GSHV-4978	06/18/93	af/ai	279.000	Test results include 1GSHV-4956, 1GSHV-4979
1GSHV-4978	09/17/93	af/ai	191.000	Test results include 1GSHV-4956, 1GSHV-4979
1GSHV-4978	12/03/93	af/ai	821.000	Test results include 1GSHV-4956, 1GSHV-4979
1GSHV-4978	03/06/94	af	190.000	Test results include 1GSHV-4956, 1GSHV-4979
1GSHV-4978	04/23/94	ai	53.000	Test results include 1GSHV-4956, 1GSHV-4979
1GSHV-4979	01/07/91	af/ai	755.000	Test results include 1GSHV-4956, 1GSHV-4978
1GSHV-4979	04/19/91	af/ai	876.000	Test results include 1GSHV-4956, 1GSHV-4978
1GSHV-4979	07/19/91	af/ai	759.000	Test results include 1GSHV-4956, 1GSHV-4978
1GSHV-4979	10/18/91	af/ai	790.000	Test results include 1GSHV-4956, 1GSHV-4978
1GSHV-4979	01/17/92	af	> 1.0 La	Test results include 1GSHV-4956, 1GSHV-4978
1GSHV-4979 BF	01/17/92	ai	0.000	Blind flange installed at 1GSHV-4979
1GSHV-4979	03/10/92	af	977.000	
1GSHV-4979	03/10/92	af	123.000	Test results include 1GSHV-4978
1GSHV-4979	03/11/92	ai	130.000	Test results include 1GSHV-4956, 1GSHV-4978
1GSHV-4979	06/12/92	af/ai	850.000	Test results include 1GSHV-4956, 1GSHV-4978
1GSHV-4979	09/25/92	af/ai	60.000	Test results include 1GSHV-4956, 1GSHV-4978
1GSHV-4979	12/18/92	af/ai	700.000	Test results include 1GSHV-4956, 1GSHV-4978
1GSHV-4979	03/19/93	af/ai	825.000	Test results include 1GSHV-4956, 1GSHV-4978
1GSHV-4979	06/18/93	af/ai	279.000	Test results include 1GSHV-4956, 1GSHV-4978
1GSHV-4979	09/17/93	af/ai	191.000	Test results include 1GSHV-4956, 1GSHV-4978
1GSHV-4979	12/03/93	af/ai	821.000	Test results include 1GSHV-4956, 1GSHV-4978
1GSHV-4979	03/06/94	af	190.000	Test results include 1GSHV-4956, 1GSHV-4978
1GSHV-4979	04/23/94	ai	53.000	Test results include 1GSHV-4956, 1GSHV-4978

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
P22 F1	01/08/91	af/al	2.000	
P22 F1	03/11/92	al	3.000	
P22 F1	10/07/92	af/al	0.000	
P22 F1	03/06/94	af	0.000	
P22 F1	04/06/94	al	0.000	
P22 F2	04/06/94	al	0.000	
Containment Penetration P22/P22C - Torus Purge				
1GSHV-4958	01/15/91	af/al	1585.000	Test results include 1GSHV-4980
1GSHV-4958	05/03/91	af/al	1525.000	Test results include 1GSHV-4980
1GSHV-4958	08/02/91	af/al	856.000	Test results include 1GSHV-4980
1GSHV-4958	11/08/91	af/al	709.000	Test results include 1GSHV-4980
1GSHV-4958	03/08/92	af/al	556.000	Test results include 1GSHV-4980
1GSHV-4958	06/05/92	af/al	1200.000	Test results include 1GSHV-4980
1GSHV-4958	09/22/92	af/al	755.000	Test results include 1GSHV-4980
1GSHV-4958	12/11/92	af/al	840.000	Test results include 1GSHV-4980
1GSHV-4958	03/12/93	af/al	1712.000	Test results include 1GSHV-4980
1GSHV-4958	06/11/93	af/al	878.000	Test results include 1GSHV-4980
1GSHV-4958	09/10/93	af	1022.000	Test results include 1GSHV-4980
1GSHV-4958	12/02/93	af/al	842.000	Test results include 1GSHV-4980
1GSHV-4958	03/06/94	af	1724.000	Test results include 1GSHV-4980
1GSHV-4958	04/05/94	al	75.000	Test results include 1GSHV-4980
1GSHV-4980	01/15/91	af/al	1585.000	Test results include 1GSHV-4958
1GSHV-4980	05/03/91	af/al	1525.000	Test results include 1GSHV-4958
1GSHV-4980	08/02/91	af/al	856.000	Test results include 1GSHV-4958
1GSHV-4980	11/08/91	af/al	709.000	Test results include 1GSHV-4958
1GSHV-4980	03/08/92	af/al	556.000	Test results include 1GSHV-4958
1GSHV-4980	06/05/92	af/al	1200.000	Test results include 1GSHV-4958
1GSHV-4980	09/22/92	af/al	755.000	Test results include 1GSHV-4958
1GSHV-4980	12/11/92	af/al	840.000	Test results include 1GSHV-4958
1GSHV-4980	03/12/93	af/al	1712.000	Test results include 1GSHV-4958
1GSHV-4980	06/11/93	af/al	878.000	Test results include 1GSHV-4958
1GSHV-4980	09/10/93	af	1022.000	Test results include 1GSHV-4958
1GSHV-4980	12/02/93	af/al	842.000	Test results include 1GSHV-4958
1GSHV-4980	03/06/94	af	1724.000	Test results include 1GSHV-4958
1GSHV-4980	04/05/94	al	75.000	Test results include 1GSHV-4958
P220 F1	01/25/91	af/al	4.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
P220 F1	09/22/92	af/al	1.000	
P220 F1	03/06/94	af	0.000	
P220 F1	04/06/94	al	2.000	
Containment Penetration P23 - Hydrogen Recombiner				
1GSHV-5050A	01/07/91	af/al	59.500	
1GSHV-5050A	09/14/92	af/al	54.000	
1GSHV-5050A	03/08/94	af/al	71.000	
1GSHV-5052A	01/07/91	af	220.000	
1GSHV-5052A	02/05/91	al	176.000	
1GSHV-5052A	09/14/92	af/al	158.000	
1GSHV-5052A	03/08/94	af/al	167.000	
Containment Penetration P23 - Drywell Purge				
1GSHV-4950	12/28/90	al	2415.000	Test results include 1GSHV-4951, 1GSHV-4952
1GSHV-4950	01/07/91	af/al	2430.000	Test results include 1GSHV-4951, 1GSHV-4952
1GSHV-4950	04/26/91	af/al	2300.000	Test results include 1GSHV-4951, 1GSHV-4952
1GSHV-4950	07/26/91	af/al	2155.000	Test results include 1GSHV-4951, 1GSHV-4952
1GSHV-4950	10/25/91	af/al	2330.000	Test results include 1GSHV-4951, 1GSHV-4952
1GSHV-4950	01/24/92	af/al	2610.000	Test results include 1GSHV-4951, 1GSHV-4952
1GSHV-4950	04/24/92	af/al	2320.000	Test results include 1GSHV-4951, 1GSHV-4952
1GSHV-4950	07/24/92	af/al	864.000	Test results include 1GSHV-4951, 1GSHV-4952
1GSHV-4950	09/13/92	af	1329.000	Test results include 1GSHV-4951, 1GSHV-4952
1GSHV-4950	10/29/92	al	510.000	Test results include 1GSHV-4951, 1GSHV-4952
1GSHV-4950	03/15/94	af	3760.000	Test results include 1GSHV-4951, 1GSHV-4952
1GSHV-4950	03/20/94	af	2480.000	Test results include 1GSHV-4951, 1GSHV-4952
1GSHV-4950	04/15/94	al	1944.000	Test results include 1GSHV-4951, 1GSHV-4952
1GSHV-4952	12/28/90	al	2415.000	Test results include 1GSHV-4950, 1GSHV-4951
1GSHV-4952	01/07/91	af/al	2430.000	Test results include 1GSHV-4950, 1GSHV-4951
1GSHV-4952	04/26/91	af/al	2300.000	Test results include 1GSHV-4950, 1GSHV-4951
1GSHV-4952	07/26/91	af/al	2155.000	Test results include 1GSHV-4950, 1GSHV-4951
1GSHV-4952	10/25/91	af/al	2330.000	Test results include 1GSHV-4950, 1GSHV-4951
1GSHV-4952	01/24/92	af/al	2610.000	Test results include 1GSHV-4950, 1GSHV-4951
1GSHV-4952	04/24/92	af/al	2320.000	Test results include 1GSHV-4950, 1GSHV-4951
1GSHV-4952	07/24/92	af/al	864.000	Test results include 1GSHV-4950, 1GSHV-4951
1GSHV-4952	09/13/92	af	1329.000	Test results include 1GSHV-4950, 1GSHV-4951
1GSHV-4952	10/29/92	al	510.000	Test results include 1GSHV-4950, 1GSHV-4951
1GSHV-4952	03/15/94	af	3760.000	Test results include 1GSHV-4950, 1GSHV-4951

Reactor Containment Building Integrated Leak Rate Test.
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (ccm)	COMMENTS
1GSHV-4952	03/20/94	af	2480.000	Test results include 1GSHV-4950, 1GSHV-4951
1GSHV-4952	04/15/94	ai	1944.000	Test results include 1GSHV-4950, 1GSHV-4951
1GSHV-4951	12/28/90	ai	2415.000	Test results include 1GSHV-4950, 1GSHV-4952
1GSHV-4951	01/07/91	af/ai	2430.000	Test results include 1GSHV-4950, 1GSHV-4952
1GSHV-4951	04/26/91	af/ai	2300.000	Test results include 1GSHV-4950, 1GSHV-4952
1GSHV-4951	07/26/91	af/ai	2155.000	Test results include 1GSHV-4950, 1GSHV-4952
1GSHV-4951	10/25/91	af/ai	2330.000	Test results include 1GSHV-4950, 1GSHV-4952
1GSHV-4951	01/24/92	af/ai	2610.000	Test results include 1GSHV-4950, 1GSHV-4952
1GSHV-4951	04/24/92	af/ai	2320.000	Test results include 1GSHV-4950, 1GSHV-4952
1GSHV-4951	07/24/92	af/ai	864.000	Test results include 1GSHV-4950, 1GSHV-4952
1GSHV-4951	09/13/92	af	1329.000	Test results include 1GSHV-4950, 1GSHV-4952
1GSHV-4951	10/29/92	ai	510.000	Test results include 1GSHV-4950, 1GSHV-4952
1GSHV-4951	03/15/94	af	3760.000	Test results include 1GSHV-4950, 1GSHV-4952
1GSHV-4951	03/20/94	af/ai	14.000	
1GSHV-4951	03/20/94	af	2480.000	Test results include 1GSHV-4950, 1GSHV-4952
1GSHV-4951	04/15/94	ai	1944.000	Test results include 1GSHV-4950, 1GSHV-4952
P23 F1	01/08/91	af/ai	3.000	
P23 F1	09/13/92	af	3.000	
P23 F1	10/13/92	ai	2.800	
P23 F1	03/06/94	af	0.000	
P23 F1	04/05/94	af/ai	3.000	
P23 F2	10/13/92	ai	3.200	
P23 F2	03/06/94	af	0.000	
P23 F2	04/05/94	ai	3.000	
P23 P1	10/29/92	ai	251.000	
P23 P1	03/06/94	af	240.000	
P23 P1	04/01/94	ai	19.900	
Containment Penetration P24A - RHR (Drywell Spray)				
1BCHV-F021B	01/15/91	af/ai	147.500	
1BCHV-F021B	10/25/92	af	195.000	
1BCHV-F021B	11/01/92	ai	466.000	
1BCHV-F021B	03/24/94	af	16.000	
1BCHV-F021B	04/03/94	ai	32.000	
1BCHV-F016B	01/15/91	af	2560.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1BCHV-F016B	01/20/91	al	1950.000	
1BCHV-F016B	10/25/92	af	0.000	
1BCHV-F016B	11/01/92	al	48.000	
1BCHV-F016B	03/24/94	af/al	120.000	
Containment Penetration P24B - RHR (Drywell Spray)				
1BCHV-F021A	01/04/91	af/al	49.000	
1BCHV-F021A	09/23/92	af/al	30.100	
1BCHV-F021A	03/13/94	af/al	243.000	
1BCHV-F016A	01/04/91	af/al	175.000	
1BCHV-F016A	09/23/92	af	190.000	
1BCHV-F016A	09/28/92	al	1530.000	
1BCHV-F016A	03/13/94	af/al	265.000	
Containment Penetration P25 - Liquid Radwaste (Drywell Floor Drains)				
1HBHV-F003	01/27/91	af	19200.000	
1HBHV-F003	02/07/91	al	28.200	
1HBHV-F003	09/26/92	af	5360.000	
1HBHV-F003	10/23/92	al	8.000	
1HBHV-F003	03/20/94	af	1600.000	
1HBHV-F003	04/10/94	al	80.000	
1HBHV-F004	01/27/91	af/al	6.000	
1HBHV-F004	09/29/92	af/al	31.000	
1HBHV-F004	03/20/94	af	> 1.0 La	
1HBHV-F004	03/20/94	al	96.000	
Containment Penetration P26 - Liquid Radwaste (Drywell Equipment Drains)				
1HBHV-F019	01/10/91	af	36000.000	
1HBHV-F019	02/01/91	al	101.700	
1HBHV-F019	09/28/92	af	16450.000	
1HBHV-F019	10/21/92	al	38.000	
1HBHV-F019	03/19/94	af/al	52.000	
1HBHV-F020	01/10/91	af	1506.000	
1HBHV-F020	02/07/91	al	22.000	
1HBHV-F020	09/27/92	af	36000.000	
1HBHV-F020	10/21/92	al	18.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1HBHV-F020	03/19/94	af/al	10.000	
Containment Penetration P27 - Service Air				
1KAV-038	01/12/91	af/al	26.500	
1KAV-038	10/09/92	af/al	35.000	
1KAV-038	03/16/94	af/al	45.000	
1KAV-039	01/12/91	af/al	67.500	
1KAV-039	10/09/92	af/al	85.000	
1KAV-039	03/15/94	af/al	94.000	
Containment Penetration P28A - PCIG				
1KLHV-5152B	01/13/91	af	325.000	
1KLHV-5152B	01/25/91	al	4.000	
1KLHV-5152B	09/17/92	af/al	120.000	Test results include 1KLHV-5126B
1KLHV-5152B	04/05/94	af	88.000	
1KLHV-5152B	04/07/94	al	238.000	
1KLHV-5126B	01/13/91	af	375.000	
1KLHV-5126B	01/25/91	al	87.800	
1KLHV-5126B	09/17/92	af	120.000	Test results include 1KLHV-5152B
1KLHV-5126B	09/22/92	al	98.000	
1KLHV-5126B	04/05/94	af/al	154.000	
Containment Penetration P28B - PCIG				
1KLHV-5152A	01/07/91	af/al	104.000	
1KLHV-5152A	09/24/92	af	142.500	
1KLHV-5152A	10/06/92	al	145.000	
1KLHV-5152A	03/27/94	af/al	355.000	Test results include 1KLHV-5126A
1KLHV-5126A	01/07/91	af/al	45.000	
1KLHV-5126A	09/24/92	af/al	165.000	
1KLHV-5126A	03/27/94	af	355.000	Test results include 1KLHV-5152A
1KLHV-5126A	04/03/94	al	27.000	
Containment Penetration P29 - RACS				
1EDHV-2554	01/24/91	af/al	107.000	
1EDHV-2554	10/08/92	af	158.000	
1EDHV-2554	10/17/92	al	1.000	
1EDHV-2554	03/27/94	af	304.000	

Reactor Containment Building Integrated Leak Rate Test.
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1EDHV-2554	04/08/94	ai	206.000	
1EDHV-2553	01/24/91	af	648.000	
1EDHV-2553	01/24/91	ai	558.000	
1EDHV-2553	10/08/92	af	371.000	
1EDHV-2553	10/17/92	ai	130.000	
1EDHV-2553	03/27/94	af	820.000	
1EDHV-2553	04/08/94	ai	125.000	
Containment Penetration P30 - RACS				
1EDHV-2556	01/24/91	af/ai	8.700	
1EDHV-2556	10/08/92	af	11.000	
1EDHV-2556	10/19/92	ai	397.000	
1EDHV-2556	03/28/94	af	184.000	
1EDHV-2556	04/08/94	ai	4.000	
1EDHV-2555	01/24/91	af	> 1.0 La	
1EDHV-2555	01/24/91	ai	0.000	
1EDHV-2555	10/08/92	af	150.000	
1EDHV-2555	10/20/92	ai	351.000	
1EDHV-2555	03/28/94	af	20000.000	
1EDHV-2555	04/08/94	ai	9.000	
Containment Penetration P31 - Breathing Air				
1KGV-016	12/29/90	af/ai	130.000	
1KGV-016	09/22/92	af/ai	70.000	
1KGV-016	03/17/94	af/ai	33.000	
1KGV-034	12/29/90	af/ai	163.000	
1KGV-034	09/22/92	af/ai	51.000	
1KGV-034	03/17/94	af/ai	5.000	
Containment Penetration P34A - TIPS				
P34A F1	01/02/91	af/ai	0.000	
P34A F1	10/10/92	af/ai	1.100	
P34A F1	03/25/94	af/ai	3.000	
Containment Penetration P34B - TIPS				
P34B F1	01/02/91	af/ai	0.000	
P34B F1	10/10/92	af/ai	1.700	

Reactor Containment Building Integrated Leak Rate Test,
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
P34B F1	03/25/94	af/ai	2.000	
Containment Penetration P34C - TIPS				
P34C F1	01/02/91	af/ai	0.000	
P34C F1	10/10/92	af/ai	0.800	
P34C F1	03/25/94	af/ai	1.000	
Containment Penetration P34D - TIPS				
P34D F1	01/02/91	af/ai	0.000	
P34D F1	10/10/92	af/ai	0.700	
P34D F1	03/22/94	af/ai	6.000	
Containment Penetration P34E - TIPS				
P34E F1	01/02/91	af/ai	0.000	
P34E F1	10/10/92	af/ai	4.100	
P34E F1	03/25/94	af/ai	2.000	
Containment Penetration P34F - TIPS (Nitrogen Purge)				
1SEV-006	01/02/91	af	7000.000	
1SEV-006	01/23/91	ai	3.000	
1SEV-006	10/10/92	af	999.000	
1SEV-006	10/23/92	ai	8.500	
1SEV-006	03/17/94	af/ai	10.000	
1SEHV-5161	01/02/91	af/ai	4.000	
1SEHV-5161	10/10/92	af/ai	10.000	
1SEHV-5161	03/17/94	af/ai	24.000	
P34F F1	01/02/91	af/ai	0.000	
P34F F1	10/10/92	af/ai	0.600	
P34F F1	03/25/94	af/ai	2.000	
Containment Penetration P38A - Chill Water				
1GBHV-9531A3	01/23/91	af/ai	1P5.000	Test results include 1GBPSV-9522B
1GBHV-9531A3	10/16/92	af	90.000	Test results include 1GBPSV-9522B
1GBHV-9531A3	10/20/92	ai	40.000	Test results include 1GBPSV-9522B
1GBHV-9531A3	04/01/94	af/ai	2.000	Test results include 1GBPSV-9522B
1GBHV-9531B3	01/22/91	af	10400.000	
1GBHV-9531B3	01/30/91	ai	645.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1GBHV-9531B3	10/16/92	af	18.000	
1GBHV-9531B3	10/20/92	ai	59.000	
1GBHV-9531B3	04/01/94	af/ai	100.000	
1GBPSV-9522B	01/23/91	af/ai	185.000	Test results include 1GBHV-9531A3
1GBPSV-9522B	10/16/92	af/ai	90.000	Test results include 1GBHV-9531A3
1GBPSV-9522B	04/01/94	af/ai	2.000	Test results include 1GBHV-9531A3
1GBXJN-38A I	01/03/91	af/ai	40.500	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A O, 1GBXJN-38B I, 1GBXJN-38B O
1GBXJN-38A I	10/08/92	af/ai	37.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38B I, 1GBXJN-38B O
1GBXJN-38A I	03/02/94	af/ai	0.000	
1GBXJN-38A O	01/03/91	af/ai	40.500	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38B I, 1GBXJN-38B O
1GBXJN-38A O	10/09/92	af/ai	108.000	
1GBXJN-38A O	10/22/92	af/ai	91.000	
1GBXJN-38A O	03/01/94	af	121.000	
1GBXJN-38A O	03/02/94	ai	130.000	
Containment Penetration P38B - Chill Water				
1GBHV-9531B4	01/23/91	af/ai	5.000	
1GBHV-9531B4	10/16/92	af	138.000	
1GBHV-9531B4	10/20/92	ai	426.000	
1GBHV-9531B4	04/01/94	af/ai	11.000	
1GBPSV-9523B	01/23/91	af/ai	339.000	Test results include 1GBHV-9531A4
1GBPSV-9523B	10/16/92	af	35.000	Test results include 1GBHV-9531A4
1GBPSV-9523B	10/21/92	ai	8.000	Test results include 1GBHV-9531A4
1GBPSV-9523B	04/01/94	af/ai	12.000	Test results include 1GBHV-9531A4
1GBHV-9531A4	01/23/91	af/ai	339.000	Test results include 1GBPSV-9523B
1GBHV-9531A4	10/16/92	af	35.000	Test results include 1GBPSV-9523B
1GBHV-9531A4	10/21/92	ai	8.000	Test results include 1GBPSV-9523B
1GBHV-9531A4	04/01/94	af/ai	12.000	Test results include 1GBPSV-9523B

**Reactor Containment Building Integrated Leak Rate Test.
Hope Creek Generating Station, April 1994**

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1GBXJN-38B I	01/03/91	af/al	40.500	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B O
1GBXJN-38B I	10/08/92	af/al	37.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38B O
1GBXJN-38B I	03/01/94	af/al	34.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38B O
1GBXJN-38B O	01/03/91	af/al	40.500	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38A O, 1GBXJN-38B I
1GBXJN-38B O	10/08/92	af/al	37.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38A I, 1GBXJN-38B I
1GBXJN-38B O	03/01/94	af/al	34.000	Test results include 1BCXJN-3 I, 1BCXJN-3 O, 1BCXJN-4B I, 1BCXJN-4B O, 1BCXJN-6C I, 1BCXJN-6C O, 1BCXJN-6D I, 1BCXJN-6D O, 1BEXJN-5B I, 1BEXJN-5B O, 1FDXJN-7 I, 1FDXJN-7 O, 1GBXJN-38B I
Containment Penetration P39 - PCIG				
1KLHV-5148	01/29/91	af/al	24.000	
1KLHV-5148	09/17/92	af/al	18.000	
1KLHV-5148	03/26/94	af	17.000	
1KLHV-5148	03/31/94	al	14.000	
1KLHV-5147	01/29/91	af/al	19.000	Test results include 1KLHV-5162
1KLHV-5147	09/17/92	af	18.000	Test results include 1KLHV-5162
1KLHV-5147	09/24/92	al	22.000	
1KLHV-5147	03/26/94	af	19.000	Test results include 1KLHV-5162
1KLHV-5147	03/31/94	al	12.000	Test results include 1KLHV-5162
1KLHV-5162	01/29/91	af/al	19.000	Test results include 1KLHV-5147
1KLHV-5162	09/17/92	af/al	18.000	Test results include 1KLHV-5147
1KLHV-5162	03/26/94	af	19.000	Test results include 1KLHV-5147
1KLHV-5162	03/31/94	al	12.000	Test results include 1KLHV-5147
Containment Penetration P204 - RCIC Steam				
1FCHV-F084	01/22/91	af/al	85.000	
1FCHV-F084	09/19/92	af	125.000	
1FCHV-F084	10/10/92	al	290.000	
1FCHV-F084	03/07/94	af/al	294.000	

Reactor Containment Building Integrated Leak Rate Test -
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
Containment Penetration P204 - HPCI Steam				
1FDHV-F079	01/21/91	af/al	105.000	
1FDHV-F079	09/19/92	af	225.000	
1FDHV-F079	10/04/92	al	208.000	
1FDHV-F079	03/07/94	af/al	140.000	
Containment Penetration P214A - RHR (Torus Spray)				
1BCHV-F027B	01/15/91	af/al	4.000	
1BCHV-F027B	10/25/92	af/al	14.500	
1BCHV-F027B	03/23/94	af	3.000	
1BCHV-F027B	03/29/94	al	27.000	
Containment Penetration P214B - RHR (Torus Spray)				
1BCHV-F027A	01/05/91	af/al	58.000	
1BCHV-F027A	09/24/92	af	61.000	
1BCHV-F027A	09/28/92	al	47.000	
1BCHV-F027A	03/13/94	af/al	29.000	
Containment Penetration P219 - Hydrogen Recombiner				
1GSHV-5053B	01/18/91	af/al	58.000	
1GSHV-5053B	09/15/92	af/al	110.000	
1GSHV-5053B	02/09/94	af	> 1.0 La	
1GSHV-5053B	02/10/94	al	290.000	
1GSHV-5053B	03/09/94	al	130.200	
1GSHV-5054B	01/18/91	af/al	46.000	
1GSHV-5054B	09/14/92	af/al	110.000	
1GSHV-5054B	03/09/94	af/al	124.400	
Containment Penetration P219 - Torus Purge				
1GSHV-4962	01/18/91	af	10050.000	Test results include 1GSHV-4963, 1GSHV-4964
1GSHV-4962	02/02/91	al	720.000	Test results include 1GSHV-4963, 1GSHV-4964
1GSHV-4962	05/08/91	af/al	200.000	Test results include 1GSHV-4963, 1GSHV-4964
1GSHV-4962	08/09/91	af/al	404.000	Test results include 1GSHV-4963, 1GSHV-4964
1GSHV-4962	11/15/91	af/al	291.000	Test results include 1GSHV-4963, 1GSHV-4964
1GSHV-4962	03/08/92	af/al	778.000	Test results include 1GSHV-4963, 1GSHV-4964
1GSHV-4962	06/05/92	af/al	620.000	Test results include 1GSHV-4963, 1GSHV-4964
1GSHV-4962	09/11/92	af/al	540.000	Test results include 1GSHV-4963, 1GSHV-4964
1GSHV-4962	10/31/92	al	623.000	Test results include 1GSHV-11541, 1GSHV-4963, 1GSHV-4964
1GSHV-4962	03/11/94	af	24100.000	Test results include 1GSHV-11541, 1GSHV-4963, 1GSHV-4964

**Reactor Containment Building Integrated Leak Rate Test -
Hope Creek Generating Station, April 1994**

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1GSHV-4962	04/24/94	al	780.000	Test results include 1GSHV-11541, 1GSHV-4963, 1GSHV-4964
1GSHV-4963	01/18/91	af	10050.000	Test results include 1GSHV-4962, 1GSHV-4964
1GSHV-4963	02/02/91	al	720.000	Test results include 1GSHV-4962, 1GSHV-4964
1GSHV-4963	05/08/91	af/al	200.000	Test results include 1GSHV-4962, 1GSHV-4964
1GSHV-4963	08/09/91	af/al	404.000	Test results include 1GSHV-4962, 1GSHV-4964
1GSHV-4963	11/15/91	af/al	291.000	Test results include 1GSHV-4962, 1GSHV-4964
1GSHV-4963	03/08/92	af/al	778.000	Test results include 1GSHV-4962, 1GSHV-4964
1GSHV-4963	06/05/92	af/al	620.000	Test results include 1GSHV-4962, 1GSHV-4964
1GSHV-4963	09/11/92	af/al	540.000	Test results include 1GSHV-4962, 1GSHV-4964
1GSHV-4963	10/31/92	al	623.000	Test results include 1GSHV-11541, 1GSHV-4962, 1GSHV-4964
1GSHV-4963	03/11/94	af	24100.000	Test results include 1GSHV-11541, 1GSHV-4962, 1GSHV-4964
1GSHV-4963	04/24/94	al	780.000	Test results include 1GSHV-11541, 1GSHV-4962, 1GSHV-4964
1GSHV-4964	01/18/91	af	10050.000	Test results include 1GSHV-4962, 1GSHV-4963
1GSHV-4964	02/02/91	al	720.000	Test results include 1GSHV-4962, 1GSHV-4963
1GSHV-4964	05/08/91	af/al	200.000	Test results include 1GSHV-4962, 1GSHV-4963
1GSHV-4964	08/09/91	af/al	404.000	Test results include 1GSHV-4962, 1GSHV-4963
1GSHV-4964	11/15/91	af/al	291.000	Test results include 1GSHV-4962, 1GSHV-4963
1GSHV-4964	03/08/92	af/al	778.000	Test results include 1GSHV-4962, 1GSHV-4963
1GSHV-4964	06/05/92	af/al	620.000	Test results include 1GSHV-4962, 1GSHV-4963
1GSHV-4964	09/11/92	af/al	540.000	Test results include 1GSHV-4962, 1GSHV-4963
1GSHV-4964	10/31/92	al	623.000	Test results include 1GSHV-11541, 1GSHV-4962, 1GSHV-4963
1GSHV-4964	03/11/94	af	24100.000	Test results include 1GSHV-11541, 1GSHV-4962, 1GSHV-4963
1GSHV-4964	04/24/94	al	780.000	Test results include 1GSHV-11541, 1GSHV-4962, 1GSHV-4963
P219 P1	10/31/92	al	88.000	
P219 P1	03/11/94	af	81.000	
P219 P1	04/11/94	af	24.000	
P219 F1	01/25/91	af/al	3.000	
P219 F1	09/12/92	af	0.000	
P219 F1	10/31/92	al	0.000	
P219 F1	03/12/94	af	2.000	
P219 F1	04/24/94	al	0.000	
P219 W1	09/25/92	al	0.000	
Containment Penetration P219 - Vent				
1GSHV-11541	10/31/92	al	623.000	Test results include 1GSHV-4962, 1GSHV-4963, 1GSHV-4964

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
1GSHV-11541	03/11/94	af	24100.000	Test results include 1GSHV-4962, 1GSHV-4963, 1GSHV-4964
1GSHV-11541	04/24/94	al	780.000	Test results include 1GSHV-4962, 1GSHV-4963, 1GSHV-4964
Containment Penetration P219 - Vacuum Relief				
1GSHV-5029	01/18/91	af	> 1.0 La	Test results include 1GSPSV-5030
1GSHV-5029	02/08/91	al	11.200	Test results include 1GSPSV-5030
1GSHV-5029	09/14/92	af	1.000	
1GSHV-5029	10/29/92	al	301.000	Test results include 1GSPSV-5030
1GSHV-5029	03/12/94	af	53000.000	
1GSHV-5029	04/24/94	al	5120.000	Test results include 1GSPSV-5030
1GSPSV-5030	01/18/91	af	> 1.0 La	Test results include 1GSHV-5029
1GSPSV-5030	02/08/91	al	11.200	Test results include 1GSHV-5029
1GSPSV-5030	09/14/92	af	> 1.0 La	
1GSPSV-5030	10/29/92	al	301.000	Test results include 1GSHV-5029
1GSPSV-5030	03/24/94	af	1109.000	
1GSPSV-5030	04/24/94	al	5120.000	Test results include 1GSHV-5029
P219 P2	10/31/92	al	52.000	
P219 P2	03/12/94	af	42.000	
P219 P2	04/24/94	al	16.000	
P219 F2	01/25/91	af/al	4.000	
P219 F2	09/14/92	af	48.000	
P219 F2	10/26/92	al	7.500	
P219 F2	03/12/94	af	0.000	
P219 F2	04/24/94	al	0.000	
Containment Penetration P220 - Hydrogen Recombiner				
1GSHV-5054A	01/15/91	af/al	6.000	
1GSHV-5054A	09/22/92	af/al	20.100	
1GSHV-5054A	03/08/94	af/al	211.000	
1GSHV-5053A	01/15/91	af/al	69.500	
1GSHV-5053A	09/22/92	af	1014.000	
1GSHV-5053A	10/09/92	al	145.000	
1GSHV-5053A	03/08/94	af	1066.000	
1GSHV-5053A	03/08/94	al	440.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
Containment Penetration P220 - Vacuum Relief				
1GSHV-5031	01/15/91	af/al	530.000	Test results include 1GSPSV-5032
1GSHV-5031	09/22/92	af/al	665.000	Test results include 1GSPSV-5032
1GSHV-5031	03/06/94	af	803.000	Test results include 1GSPSV-5032
1GSHV-5031	04/05/94	al	654.000	Test results include 1GSPSV-5032
1GSPSV-5032	01/15/91	af/al	530.000	Test results include 1GSHV-5031
1GSPSV-5032	09/22/92	af/al	665.000	Test results include 1GSHV-5031
1GSPSV-5032	03/06/94	af	803.000	Test results include 1GSHV-5031
1GSPSV-5032	04/17/94	al	1515.000	
P220 F2	01/25/91	af/al	2.000	
P220 F2	09/22/92	af/al	1.400	
P220 F2	03/06/94	af	0.000	
P220 F2	04/06/94	al	2.000	
Containment Penetration P221A - 12" Torus Drain				
P221A	12/30/90	af/al	1.000	
P221A	09/30/92	af/al	0.000	
P221A	03/05/94	af/al	1.000	
Containment Penetration P221B - 62" Torus Drain				
P221B	12/30/90	af/al	1.000	
P221B	09/30/92	af/al	0.000	
P221B	03/05/94	af/al	2.000	
Containment Penetration P221C - 287" Torus Drain				
P221C	12/30/90	af/al	5.000	
P221C	09/30/92	af/al	0.000	
P221C	03/05/94	af/al	0.000	
Containment Penetration P221D - 330" Torus Drain				
P221D	12/30/90	af/al	5.000	
P221D	09/30/92	af/al	0.000	
P221D	03/05/94	af/al	2.000	
Containment Penetration P227 - PASS				
1RCSV-0643A	12/11/90	af/al	6.500	
1RCSV-0643A	07/05/91	al	3.000	
1RCSV-0643A	09/26/92	af/al	3.000	
1RCSV-0643A	03/17/94	af	75.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
C2	03/06/94	af/al	0.000	
Containment Penetration C2 - Drywell Equipment Hatch, Airlock				
AIRLOCK INNER	03/25/90	af	> 1.0 La	
AIRLOCK INNER	03/26/90	af/al	870.000	Test results include AIRLOCK OUTER
AIRLOCK INNER	09/27/90	af/al	1233.000	Test results include AIRLOCK OUTER
AIRLOCK INNER	02/16/91	af/al	852.000	Test results include AIRLOCK OUTER
AIRLOCK INNER	05/10/91	al	2320.000	Test results include AIRLOCK OUTER
AIRLOCK INNER	11/01/91	af/al	1475.000	Test results include AIRLOCK OUTER
AIRLOCK INNER	03/14/92	af/al	1011.000	Test results include AIRLOCK OUTER
AIRLOCK INNER	11/05/92	af/al	4040.000	Test results include AIRLOCK OUTER
AIRLOCK INNER	04/30/93	af/al	652.000	Test results include AIRLOCK OUTER
AIRLOCK INNER	10/22/93	af/al	1345.000	Test results include AIRLOCK OUTER
AIRLOCK INNER	04/10/94	af	> 1.0 La	
AIRLOCK INNER	04/11/94	al	1267.000	Test results include AIRLOCK OUTER
AIRLOCK OUTER	03/26/90	af/al	870.000	Test results include AIRLOCK INNER
AIRLOCK OUTER	09/27/90	af/al	1233.000	Test results include AIRLOCK INNER
AIRLOCK OUTER	02/16/91	af/al	852.000	Test results include AIRLOCK INNER
AIRLOCK OUTER	05/10/91	al	2320.000	Test results include AIRLOCK INNER
AIRLOCK OUTER	11/01/91	af/al	1475.000	Test results include AIRLOCK INNER
AIRLOCK OUTER	03/14/92	af/al	1011.000	Test results include AIRLOCK INNER
AIRLOCK OUTER	11/05/92	af/al	4040.000	Test results include AIRLOCK INNER
AIRLOCK OUTER	04/30/93	af/al	652.000	Test results include AIRLOCK INNER
AIRLOCK OUTER	10/22/93	af/al	1345.000	Test results include AIRLOCK INNER
AIRLOCK OUTER	04/11/94	af/al	1267.000	Test results include AIRLOCK INNER
Containment Penetration C3 - CRD Hatch				
C3	01/02/90	af	0.000	
C3	03/25/90	al	0.000	
C3	11/13/90	al	0.000	
C3	02/14/91	al	0.000	
C3	05/10/91	al	0.000	
C3	03/12/92	al	1.600	
C3	05/28/92	al	0.000	
C3	09/12/92	af/al	0.000	
C3	11/03/92	al	1.000	
C3	05/18/93	al	0.000	
C3	12/04/93	al	5.000	
C3	04/16/94	al	0.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
C3	04/16/94	al	0.000	
Containment Penetration C4 - Drywell Head				
C4	12/26/90	af	18.000	
C4	02/11/91	al	14.800	
C4	09/12/92	af	26.000	
C4	10/25/92	al	16.000	
C4	03/05/94	af	62.700	
C4	04/10/94	al	9.000	
Containment Penetration C5 - Drywell Head Inspection Hatch				
C5	12/29/90	af/al	1.600	
C5	09/16/92	af/al	0.000	
C5	03/07/94	af/al	2.000	
Containment Penetration C201A - 90° Torus Hatch				
C201A	12/26/90	af/al	5.000	
C201A	09/12/92	af/al	0.000	
C201A	03/03/94	af	2.000	
C201A	04/17/94	al	3.000	
Containment Penetration C201B - 270° Torus Hatch				
C201B	12/26/90	af	3.000	
C201B	02/05/91	al	2.000	
C201B	02/13/91	al	0.000	
C201B	03/08/92	af	4.000	
C201B	03/13/92	al	2.800	
C201B	05/29/92	al	2.000	
C201B	05/30/92	al	2.200	
C201B	11/05/92	al	6.000	
C201B	03/03/94	af	2.000	
C201B	04/10/94	al	2.000	
Containment Penetration C201C - 180° Torus Hatch				
C201C	12/26/90	af/al	3.000	
C201C	09/12/92	af/al	0.000	
C201C	03/04/94	af/al	2.000	
Containment Penetration C201D - 0° Torus Hatch				
C201D	12/26/90	af/al	3.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
C201D	09/12/92	af/al	0.000	
C201D	03/03/94	af	3.000	
C201D	03/18/94	af	0.000	
Containment Penetration W100A - Electrical Cable				
W100A	01/22/91	af/al	10.000	Test results include W102A, W104F, W104G, W104H, W104J, W104K, W105A, W105E, W105F, W106A
W100A	10/08/92	af/al	7.500	Test results include W102A, W104F, W104G, W104H, W104J, W104K, W105A, W105E, W105F, W106A
W100A	03/01/94	af/al	0.000	Test results include W102A, W104F, W104G, W104H, W104J, W104K, W105A, W105E, W105F, W106A
Containment Penetration W100B - Electrical Cable				
W100B	01/06/91	af/al	0.800	Test results include W102B, W105B, W105G, W105H
W100B	09/28/92	af/al	0.000	Test results include W101A, W101B, W101C, W102B, W105B, W105G, W105H
W100B	03/01/94	af/al	3.000	Test results include W101A, W101B, W101C, W102B, W105B, W105G, W105H
Containment Penetration W100D - Electrical Cable				
W100D	01/11/91	af	28.000	Test results include W102D, W103A, W104A, W104B, W104C, W104D, W104E, W105D, W106B
W100D	01/11/91	al	0.000	Test results include W102D, W103A, W104A, W104B, W104C, W104E, W105D, W106B
W100D	10/08/92	af/al	16.800	Test results include W102D, W103A, W104A, W104B, W104C, W104D, W104E, W105D, W106B
W100D	02/28/94	af/al	11.100	Test results include W102D, W103A, W104A, W104B, W104C, W104D, W104E, W105D, W106B
Containment Penetration W101A - Electrical Cable				
W101A	01/06/91	af/al	0.800	
W101A	09/28/92	af/al	0.000	Test results include W100B, W101B, W101C, W102B, W105B, W105G, W105H
W101A	03/01/94	af/al	3.000	Test results include W100B, W101B, W101C, W102B, W105B, W105G, W105H
Containment Penetration W101B - Electrical Cable				
W101B	01/06/91	af/al	1.000	
W101B	09/28/92	af/al	0.000	Test results include W100B, W101A, W101C, W102B, W105B, W105G, W105H
W101B	03/01/94	af/al	3.000	Test results include W100B, W101A, W101C, W102B, W105B, W105G, W105H
Containment Penetration W101C - Electrical Cable				
W101C	01/06/91	af/al	0.400	
W101C	09/28/92	af/al	0.000	Test results include W100B, W101A, W101B, W102B, W105B, W105G, W105H
W101C	03/01/94	af/al	3.000	Test results include W100B, W101A, W101B, W102B, W105B, W105G, W105H
Containment Penetration W102A - Electrical Cable				
W102A	01/22/91	af/al	10.000	Test results include W100A, W104F, W104G, W104H, W104J, W104K, W105A, W105E, W105F, W106A
W102A	10/08/92	af/al	7.500	Test results include W100A, W104F, W104G, W104H, W104J, W104K, W105A, W105E, W105F, W106A
W102A	03/01/94	af/al	0.000	Test results include W100A, W104F, W104G, W104H, W104J, W104K, W105A, W105E, W105F, W106A

**Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994**

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
Containment Penetration W102B - Electrical Cable				
W102B	01/06/91	af/al	0.800	Test results include W100B, W105B, W105G, W105H
W102B	09/28/92	af/al	0.000	Test results include W100B, W101A, W101B, W101C, W105B, W105G, W105H
W102B	03/01/94	af/al	3.000	Test results include W100B, W101A, W101B, W101C, W105B, W105G, W105H
Containment Penetration W102D - Electrical Cable				
W102D	01/11/91	af	28.000	Test results include W100D, W103A, W104A, W104B, W104C, W104D, W104E, W105D, W106B
W102D	01/11/91	al	0.000	Test results include W100D, W103A, W104A, W104B, W104C, W104E, W105D, W106B
W102D	10/08/92	af/al	16.800	Test results include W100D, W103A, W104A, W104B, W104C, W104D, W104E, W105D, W106B
W102D	02/28/94	af/al	11.100	Test results include W100D, W103A, W104A, W104B, W104C, W104D, W104E, W105D, W106B
Containment Penetration W103A - Electrical Cable				
W103A	01/11/91	af	28.000	Test results include W100D, W102D, W104A, W104B, W104C, W104D, W104E, W105D, W106B
W103A	01/11/91	al	0.000	Test results include W100D, W102D, W104A, W104B, W104C, W104E, W105D, W106B
W103A	10/08/92	af/al	16.800	Test results include W100D, W102D, W104A, W104B, W104C, W104D, W104E, W105D, W106B
W103A	02/28/94	af/al	11.100	Test results include W100D, W102D, W104A, W104B, W104C, W104D, W104E, W105D, W106B
Containment Penetration W104A - Electrical Cable				
W104A	01/11/91	af	28.000	Test results include W100D, W102D, W103A, W104B, W104C, W104D, W104E, W105D, W106B
W104A	01/11/91	al	0.000	Test results include W100D, W102D, W103A, W104B, W104C, W104E, W105D, W106B
W104A	10/08/92	af/al	16.800	Test results include W100D, W102D, W103A, W104B, W104C, W104D, W104E, W105D, W106B
W104A	02/28/94	af/al	11.100	Test results include W100D, W102D, W103A, W104B, W104C, W104D, W104E, W105D, W106B
Containment Penetration W104B - Electrical Cable				
W104B	01/11/91	af	28.000	Test results include W100D, W102D, W103A, W104A, W104C, W104D, W104E, W105D, W106B
W104B	01/11/91	al	0.000	Test results include W100D, W102D, W103A, W104A, W104C, W104E, W105D, W106B
W104B	10/08/92	af/al	16.800	Test results include W100D, W102D, W103A, W104A, W104C, W104D, W104E, W105D, W106B
W104B	02/28/94	af/al	11.100	Test results include W100D, W102D, W103A, W104A, W104C, W104D, W104E, W105D, W106B
Containment Penetration W104C - Electrical Cable				
W104C	01/11/91	af	28.000	Test results include W100D, W102D, W103A, W104A, W104B, W104D, W104E, W105D, W106B
W104C	01/11/91	al	0.000	Test results include W100D, W102D, W103A, W104A, W104B, W104E, W105D, W106B
W104C	10/08/92	af/al	16.800	Test results include W100D, W102D, W103A, W104A, W104B, W104D, W104E, W105D, W106B
W104C	02/28/94	af/al	11.100	Test results include W100D, W102D, W103A, W104A, W104B, W104D, W104E, W105D, W106B
Containment Penetration W104D - Electrical Cable				
W104D	01/11/91	af	28.000	Test results include W100D, W102D, W103A, W104A, W104B, W104C, W104E, W105D, W106B
W104D	01/11/91	al	27.000	
W104D	10/08/92	af/al	16.800	Test results include W100D, W102D, W103A, W104A, W104B, W104C, W104E, W105D, W106B

**Reactor Containment Building Integrated Leak Rate Test.
Hope Creek Generating Station, April 1994**

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
W104D	02/28/94	af/al	11.100	Test results include W100D, W102D, W103A, W104A, W104B, W104C, W104E, W105D, W106B
Containment Penetration W104E - Electrical Cable				
W104E	01/11/91	af	28.000	Test results include W100D, W102D, W103A, W104A, W104B, W104C, W104D, W105D, W106B
W104E	01/11/91	al	0.000	Test results include W100D, W102D, W103A, W104A, W104B, W104C, W105D, W106B
W104E	10/08/92	af/al	16.800	Test results include W100D, W102D, W103A, W104A, W104B, W104C, W104D, W105D, W106B
W104E	02/28/94	af/al	11.100	Test results include W100D, W102D, W103A, W104A, W104B, W104C, W104D, W105D, W106B
Containment Penetration W104F - Electrical Cable				
W104F	01/22/91	af/al	10.000	Test results include W100A, W102A, W104G, W104H, W104J, W104K, W105A, W105E, W105F, W106A
W104F	10/08/92	af/al	7.500	Test results include W100A, W102A, W104G, W104H, W104J, W104K, W105A, W105E, W105F, W106A
W104F	03/01/94	af/al	0.000	Test results include W100A, W102A, W104G, W104H, W104J, W104K, W105A, W105E, W105F, W106A
Containment Penetration W104G - Electrical Cable				
W104G	01/22/91	af/al	10.000	Test results include W100A, W102A, W104F, W104H, W104J, W104K, W105A, W105E, W105F, W106A
W104G	10/08/92	af/al	7.500	Test results include W100A, W102A, W104F, W104H, W104J, W104K, W105A, W105E, W105F, W106A
W104G	03/01/94	af/al	0.000	Test results include W100A, W102A, W104F, W104H, W104J, W104K, W105A, W105E, W105F, W106A
Containment Penetration W104H - Electrical Cable				
W104H	01/22/91	af/al	10.000	Test results include W100A, W102A, W104F, W104G, W104J, W104K, W105A, W105E, W105F, W106A
W104H	10/08/92	af/al	7.500	Test results include W100A, W102A, W104F, W104G, W104J, W104K, W105A, W105E, W105F, W106A
W104H	03/01/94	af/al	0.000	Test results include W100A, W102A, W104F, W104G, W104J, W104K, W105A, W105E, W105F, W106A
Containment Penetration W104J - Electrical Cable				
W104J	01/22/91	af/al	10.000	Test results include W100A, W102A, W104F, W104G, W104H, W104K, W105A, W105E, W105F, W106A
W104J	10/08/92	af/al	7.500	Test results include W100A, W102A, W104F, W104G, W104H, W104K, W105A, W105E, W105F, W106A
W104J	03/01/94	af/al	0.000	Test results include W100A, W102A, W104F, W104G, W104H, W104K, W105A, W105E, W105F, W106A
Containment Penetration W104K - Electrical Cable				
W104K	01/22/91	af/al	10.000	Test results include W100A, W102A, W104F, W104G, W104H, W104J, W105A, W105E, W105F, W106A
W104K	10/08/92	af/al	7.500	Test results include W100A, W102A, W104F, W104G, W104H, W104J, W105A, W105E, W105F, W106A
W104K	03/01/94	af/al	0.000	Test results include W100A, W102A, W104F, W104G, W104H, W104J, W105A, W105E, W105F, W106A
Containment Penetration W105A - Electrical Cable				
W105A	01/22/91	af/al	10.000	Test results include W100A, W102A, W104F, W104G, W104H, W104J, W104K, W105E, W105F, W106A
W105A	10/08/92	af/al	7.500	Test results include W100A, W102A, W104F, W104G, W104H, W104J, W104K, W105E, W105F, W106A
W105A	03/01/94	af/al	0.000	Test results include W100A, W102A, W104F, W104G, W104H, W104J, W104K, W105E, W105F, W106A
Containment Penetration W105B - Electrical Cable				
W105B	01/06/91	af/al	0.800	Test results include W100B, W102B, W105G, W105H

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
W105B	09/28/92	af/al	0.000	Test results include W100B, W101A, W101B, W101C, W102B, W105G, W105H
W105B	03/01/94	af/al	3.000	Test results include W100B, W101A, W101B, W101C, W102B, W105G, W105H
Containment Penetration W105D - Electrical Cable				
W105D	01/11/91	af	28.000	Test results include W100D, W102D, W103A, W104A, W104B, W104C, W104D, W104E, W106B
W105D	01/11/91	al	0.000	Test results include W100D, W102D, W103A, W104A, W104B, W104C, W104E, W106B
W105D	10/08/92	af/al	16.800	Test results include W100D, W102D, W103A, W104A, W104B, W104C, W104D, W104E, W106B
W105D	02/28/94	af/al	11.100	Test results include W100D, W102D, W103A, W104A, W104B, W104C, W104D, W104E, W106B
Containment Penetration W105E - Electrical Cable				
W105E	01/22/91	af/al	10.000	Test results include W100A, W102A, W104F, W104G, W104H, W104J, W104K, W105A, W105F, W106A
W105E	10/08/92	af/al	7.500	Test results include W100A, W102A, W104F, W104G, W104H, W104J, W104K, W105A, W105F, W106A
W105E	03/01/94	af/al	0.000	Test results include W100A, W102A, W104F, W104G, W104H, W104J, W104K, W105A, W105F, W106A
Containment Penetration W105F - Electrical Cable				
W105F	01/22/91	af/al	10.000	Test results include W100A, W102A, W104F, W104G, W104H, W104J, W104K, W105A, W105E, W106A
W105F	10/08/92	af/al	7.500	Test results include W100A, W102A, W104F, W104G, W104H, W104J, W104K, W105A, W105E, W106A
W105F	03/01/94	af/al	0.000	Test results include W100A, W102A, W104F, W104G, W104H, W104J, W104K, W105A, W105E, W106A
Containment Penetration W105G - Electrical Cable				
W105G	01/06/91	af/al	0.800	Test results include W100B, W102B, W105B, W105H
W105G	09/28/92	af/al	0.000	Test results include W100B, W101A, W101B, W101C, W102B, W105B, W105H
W105G	03/01/94	af/al	3.000	Test results include W100B, W101A, W101B, W101C, W102B, W105B, W105H
Containment Penetration W105H - Electrical Cable				
W105H	01/06/91	af/al	0.800	Test results include W100B, W102B, W105B, W105G
W105H	09/28/92	af/al	0.000	Test results include W100B, W101A, W101B, W101C, W102B, W105B, W105G
W105H	03/01/94	af/al	3.000	Test results include W100B, W101A, W101B, W101C, W102B, W105B, W105G
Containment Penetration W106A - Electrical Cable				
W106A	01/22/91	af/al	10.000	Test results include W100A, W102A, W104F, W104G, W104H, W104J, W104K, W105A, W105E, W105F
W106A	10/08/92	af/al	7.500	Test results include W100A, W102A, W104F, W104G, W104H, W104J, W104K, W105A, W105E, W105F
W106A	03/01/94	af/al	0.000	Test results include W100A, W102A, W104F, W104G, W104H, W104J, W104K, W105A, W105E, W105F
Containment Penetration W106B - Electrical Cable				
W106B	01/11/91	af	28.000	Test results include W100D, W102D, W103A, W104A, W104B, W104C, W104D, W104E, W105D
W106B	01/11/91	al	0.000	Test results include W100D, W102D, W103A, W104A, W104B, W104C, W104E, W105D
W106B	10/08/92	af/al	16.800	Test results include W100D, W102D, W103A, W104A, W104B, W104C, W104D, W104E, W105D
W106B	02/28/94	af/al	11.100	Test results include W100D, W102D, W103A, W104A, W104B, W104C, W104D, W104E, W105D

Reactor Containment Building Integrated Leak Rate Test.
Hope Creek Generating Station, April 1994

Appendix F (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
Containment Penetration W201A - Electrical Cable				
W201A	01/02/91	af/al	1.000	
W201A	09/25/92	af/al	2.500	
W201A	03/03/94	af/al	2.000	
Containment Penetration W201B - Electrical Cable				
W201B	01/02/91	af/al	3.700	
W201B	09/30/92	af/al	0.000	
W201B	03/03/94	af/al	3.000	
Containment Penetration W201C - Electrical Cable				
W201C	01/01/91	af/al	2.000	
W201C	09/25/92	af/al	2.800	
W201C	03/02/94	af/al	0.000	
Containment Penetration W201D - Electrical Cable				
W201D	01/02/91	af/al	3.000	
W201D	09/22/92	af/al	1.200	
W201D	03/03/94	af/al	0.000	
Containment Penetration W202A - Electrical Cable				
W202A	01/01/91	af/al	1.500	
W202A	10/12/92	af/al	0.000	
W202A	03/02/94	af/al	3.000	
Containment Penetration W203A - Electrical Cable				
W203A	01/02/91	af/al	1.000	
W203A	10/10/92	af/al	0.000	
W203A	03/03/94	af/al	2.000	

Reactor Containment Building Integrated Leak Rate Test.
Hope Creek Generating Station, April 1994

Appendix G - Local Leakage Rate Test Data for Main Steam Lines

COMPONENT	DATE	TEST TYPE	LEAKAGE (scfh)	COMMENTS
Containment Penetration P1A - Main Steam				
1ABHV-F022A	12/27/90	af	>46.0000	Test results include 1ABHV-F067A, 1KPHV-5834A
1ABHV-F022A	01/31/91	ai	1.5839	Test results include 1ABHV-F067A, 1KPHV-5834A
1ABHV-F022A	09/17/92	af	8.4357	Test results include 1ABHV-F067A, 1KPHV-5834A
1ABHV-F022A	10/16/92	ai	10.9758	Test results include 1ABHV-F067A, 1KPHV-5834A
1ABHV-F022A	03/13/94	af/ai	0.0220	Test results include 1ABHV-F067A, 1KPHV-5834A
1ABHV-F028A	12/27/90	af/ai	3.3817	Test results include 1ABHV-3631A, 1KPHV-5434B
1ABHV-F028A	09/15/92	af	22.8297	Test results include 1ABHV-3631A, 1KPHV-5434B
1ABHV-F028A	10/13/92	ai	4.5126	Test results include 1ABHV-3631A, 1KPHV-5434B
1ABHV-F028A	03/13/94	af/ai	1.9913	Test results include 1ABHV-3631A, 1KPHV-5434B
1ABHV-F067A	12/27/90	af	> 46.0000	Test results include 1ABHV-F022A, 1KPHV-5834A
1ABHV-F067A	01/31/91	ai	1.5839	Test results include 1ABHV-F022A, 1KPHV-5834A
1ABHV-F067A	09/17/92	af	8.4357	Test results include 1ABHV-F022A, 1KPHV-5834A
1ABHV-F067A	10/16/92	ai	10.9758	Test results include 1ABHV-F022A, 1KPHV-5834A
1ABHV-F067A	03/13/94	af	0.0220	Test results include 1ABHV-F022A, 1KPHV-5834A
1ABHV-F067A	04/09/94	ai	0.1276	
1KPHV-5834A	12/27/90	af	> 46.0000	Test results include 1ABHV-F022A, 1ABHV-F067A
1KPHV-5834A	01/31/91	ai	1.5839	Test results include 1ABHV-F022A, 1ABHV-F067A
1KPHV-5834A	03/16/92	ai	0.0815	
1KPHV-5834A	09/17/92	af	8.4357	Test results include 1ABHV-F022A, 1ABHV-F067A
1KPHV-5834A	10/16/92	ai	10.9758	Test results include 1ABHV-F022A, 1ABHV-F067A
1KPHV-5834A	03/13/94	af	0.0220	Test results include 1ABHV-F022A, 1ABHV-F067A
1KPHV-5834A	04/09/94	ai	0.1505	
Containment Penetration P1B - Main Steam				
1ABHV-F022B	12/29/90	ai/ai	7.3695	Test results include 1ABHV-F067B, 1KPHV-5835A
1ABHV-F022B	09/15/92	af	11.7598	Test results include 1ABHV-F067B, 1KPHV-5835A
1ABHV-F022B	10/14/92	ai	2.3582	
1ABHV-F022B	03/13/94	af/ai	2.0070	Test results include 1ABHV-F067B, 1KPHV-5835A
1ABHV-F028B	12/29/90	af/ai	0.0220	Test results include 1ABHV-3631B, 1KPHV-5835B
1ABHV-F028B	09/15/92	af	2.7973	Test results include 1ABHV-3631B, 1KPHV-5835B
1ABHV-F028B	10/13/92	ai	7.5890	Test results include 1ABHV-3631B, 1KPHV-5835B
1ABHV-F028B	03/13/94	af/ai	2.1701	Test results include 1ABHV-3631B, 1KPHV-5835B
1ABHV-F067B	12/29/90	af/ai	7.3695	Test results include 1ABHV-F022B, 1KPHV-5835A
1ABHV-F067B	09/15/92	af	11.7598	Test results include 1ABHV-F022B, 1KPHV-5835A

Reactor Containment Building Integrated Leak Rate Test.
Hope Creek Generating Station, April 1994

Appendix G (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (scfh)	COMMENTS
1ABHV-F067B	09/17/92	ai	0.7244	Test results include 1ABHV-F022B, 1KPHV-5835A
1ABHV-F067B	03/13/94	af	2.0070	Test results include 1ABHV-F022B, 1KPHV-5835A
1ABHV-F067B	04/23/94	ai	0.5174	
1KPHV-5835A	12/29/90	af/ai	7.3695	Test results include 1ABHV-F022B, 1ABHV-F067B
1KPHV-5835A	09/15/92	af	11.7598	Test results include 1ABHV-F022B, 1ABHV-F067B
1KPHV-5835A	11/04/92	ai	0.9157	
1KPHV-5835A	03/13/94	af	2.0070	Test results include 1ABHV-F022B, 1ABHV-F067B
1KPHV-5835A	04/06/94	ai	0.1835	
Containment Penetration P1C - Main Steam				
1ABHV-F022C	12/29/90	af	> 46.0000	Test results include 1ABHV-F067C, 1KPHV-5836A
1ABHV-F022C	12/30/90	ai	23.3628	Test results include 1ABHV-F067C, 1KPHV-5836A
1ABHV-F022C	09/16/92	af	19.8505	Test results include 1ABHV-F067C, 1KPHV-5836A
1ABHV-F022C	10/14/92	ai	3.2582	Test results include 1ABHV-F067C, 1KPHV-5836A
1ABHV-F022C	03/12/94	af	2.5464	Test results include 1ABHV-F067C, 1KPHV-5836A
1ABHV-F022C	04/03/94	ai	7.9026	
1ABHV-F028C	12/28/90	af	> 46.0000	Test results include 1ABHV-3631C, 1KPHV-5836B
1ABHV-F028C	01/26/91	ai	2.3645	Test results include 1ABHV-3631C, 1KPHV-5836B
1ABHV-F028C	09/16/92	af	2.7879	Test results include 1ABHV-3631C, 1KPHV-5836B
1ABHV-F028C	10/18/92	ai	2.8380	Test results include 1ABHV-3631C, 1KPHV-5836B
1ABHV-F028C	03/12/94	af/ai	0.8937	Test results include 1ABHV-3631C, 1KPHV-5836B
1ABHV-F067C	12/29/90	af	> 46.0000	Test results include 1ABHV-F022C, 1KPHV-5836A
1ABHV-F067C	12/30/90	ai	23.3628	Test results include 1ABHV-F022C, 1KPHV-5836A
1ABHV-F067C	09/16/92	af	19.8505	Test results include 1ABHV-F022C, 1KPHV-5836A
1ABHV-F067C	10/14/92	ai	3.2582	Test results include 1ABHV-F022C, 1KPHV-5836A
1ABHV-F067C	03/12/94	af	2.5464	Test results include 1ABHV-F022C, 1KPHV-5836A
1ABHV-F067C	04/23/94	ai	2.6342	
1KPHV-5836A	12/29/90	af	> 46.0000	Test results include 1ABHV-F022C, 1ABHV-F067C
1KPHV-5836A	12/30/90	ai	23.3628	Test results include 1ABHV-F022C, 1ABHV-F067C
1KPHV-5836A	03/16/92	ai	0.8091	
1KPHV-5836A	09/16/92	af	19.8505	Test results include 1ABHV-F022C, 1ABHV-F067C
1KPHV-5836A	11/04/92	ai	0.9032	
1KPHV-5836A	03/12/94	af	2.5464	Test results include 1ABHV-F022C, 1ABHV-F067C
1KPHV-5836A	04/08/94	ai	0.0345	

Reactor Containment Building Integrated Leak Rate Test-
Hope Creek Generating Station, April 1994

Appendix G (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (scfh)	COMMENTS
Containment Penetration P1D - Main Steam				
1ABHV-F022D	12/28/90	af/al	7.9967	Test results include 1ABHV-F067D, 1KPHV-5837A
1ABHV-F022D	09/17/92	af	3.2896	Test results include 1ABHV-F067D, 1KPHV-5837A
1ABHV-F022D	10/15/92	al	2.2297	Test results include 1ABHV-F067D, 1KPHV-5837A
1ABHV-F022D	03/14/94	af/al	3.5593	Test results include 1ABHV-F067D
1ABHV-F028D	12/28/90	af/al	2.8819	Test results include 1ABHV-3631D, 1KPHV-5837B
1ABHV-F028D	09/16/92	af	9.6274	Test results include 1ABHV-3631D, 1KPHV-5837B
1ABHV-F028D	10/18/92	al	3.6377	Test results include 1ABHV-3631D, 1KPHV-5837B
1ABHV-F028D	03/14/94	af/al	1.8753	Test results include 1ABHV-3631D, 1KPHV-5837B
1ABHV-F067D	12/28/90	af/al	7.9967	Test results include 1ABHV-F022D, 1KPHV-5837A
1ABHV-F067D	09/17/92	af	3.2896	Test results include 1ABHV-F022D, 1KPHV-5837A
1ABHV-F067D	10/15/92	al	2.2297	Test results include 1ABHV-F022D, 1KPHV-5837A
1ABHV-F067D	03/14/94	af	3.5593	Test results include 1ABHV-F022D
1ABHV-F067D	04/05/94	al	1.2763	Test results include 1KPHV-5837A
1KPHV-5837A	12/28/90	af/al	7.9967	Test results include 1ABHV-F022D, 1ABHV-F067D
1KPHV-5837A	09/17/92	af	3.2896	Test results include 1ABHV-F022D, 1ABHV-F067D
1KPHV-5837A	11/04/92	al	0.9000	
1KPHV-5837A	03/13/94	af	37.3334	
1KPHV-5837A	04/05/94	al	1.2763	Test results include 1ABHV-F067D

Reactor Containment Building Integrated Leak Rate Test.
Hope Creek Generating Station, April 1994

Appendix H - Local Leakage Rate Test Data for Water Sealed Valves

COMPONENT	DATE	TEST TYPE	LEAKAGE (gpm)	COMMENTS
Containment Penetration P201 - HPCI Steam				
1FDHV-F071	12/31/90	af	1.110	
1FDHV-F071	01/01/91	ai	0.790	
1FDHV-F071	09/23/92	af	0.000	
1FDHV-F071	10/17/92	ai	0.006	
1FDHV-F071	03/10/94	af/ai	0.097	
1FDHV-F075	01/01/91	af/ai	0.003	
1FDHV-F075	09/23/92	af	0.000	
1FDHV-F075	10/17/92	ai	0.000	
1FDHV-F075	03/10/94	af/ai	0.000	
Containment Penetration P202 - HPCI				
1BJHV-F042	01/03/91	af/ai	0.006	
1BJHV-F042	09/19/92	af	0.009	
1BJHV-F042	10/28/92	ai	0.005	
1BJHV-F042	03/10/94	af/ai	0.004	
Containment Penetration P203 - HPCI				
1BJHV-F012	01/03/91	af/ai	0.002	
1BJHV-F012	09/19/92	af/ai	0.002	
1BJHV-F012	10/17/92	ai	0.001	
1BJHV-F012	03/10/94	af	0.007	
Containment Penetration P207 - RCIC Turbine Exhaust				
1FCHV-F059	01/12/91	af/ai	0.005	
1FCHV-F059	09/20/92	af	0.008	
1FCHV-F059	10/02/92	ai	0.000	
1FCHV-F059	03/08/94	af/ai	0.000	
1FCV-003	01/12/91	af	0.007	
1FCV-003	01/24/91	ai	0.040	
1FCV-003	09/20/92	af	0.000	
1FCV-003	11/27/92	ai	0.021	
1FCV-003	03/08/94	af	0.015	
1FCV-003	03/23/94	ai	0.007	
1FCHV-F062	01/12/91	af/ai	0.002	
1FCHV-F062	09/20/92	af	0.000	
1FCHV-F062	10/02/92	ai	0.000	

Reactor Containment Building Integrated Leak Rate Test.
Hope Creek Generating Station, April 1994

Appendix H (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (gpm)	COMMENTS
1FCHV-F062	03/08/94	af/al	0.000	
Containment Penetration P208 - RCIC				
1BDHV-F031	01/03/91	af/al	0.038	
1BDHV-F031	09/22/92	af	0.200	
1BDHV-F031	10/07/92	al	0.078	
1BDHV-F031	03/10/94	af/al	0.002	
Containment Penetration P209 - RCIC				
1BDSV-F019	01/04/91	af/al	0.000	
1BDSV-F019	09/22/92	af/al	0.000	
1BDSV-F019	03/10/94	af/al	0.001	
Containment Penetration P210 - RCIC				
1FCHV-F060	01/05/91	af/al	0.002	
1FCHV-F060	09/20/92	af	0.003	
1FCHV-F060	10/02/92	al	0.000	
1FCHV-F060	03/10/94	af/al	0.000	
1FCV-010	01/05/91	af	10.000	
1FCV-010	01/05/91	al	0.016	
1FCV-010	09/20/92	af/al	0.000	
1FCV-010	03/10/94	af/al	0.000	
Containment Penetration P211A - RHR				
1BCHV-F004D	12/17/90	af/al	0.020	
1BCHV-F004D	09/13/92	af/al	0.023	
1BCHV-F004D	03/23/94	af	0.024	
1BCHV-F004D	04/01/94	al	0.016	
Containment Penetration P211B - RHR				
1BCHV-F004B	12/17/90	af/al	0.022	
1BCHV-F004B	10/24/92	af/al	0.007	
1BCHV-F004B	03/23/94	af	0.000	
1BCHV-F004B	04/02/94	al	0.006	
Containment Penetration P211C - RHR				
1BCHV-F004A	01/09/91	af/al	0.010	
1BCHV-F004A	09/23/92	af	0.000	
1BCHV-F004A	09/29/92	al	0.009	

**Reactor Containment Building Integrated Leak Rate Test -
Hope Creek Generating Station, April 1994**

Appendix H (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (gpm)	COMMENTS
1BCHV-F004A	03/13/94	af/al	0.006	
Containment Penetration P211D - RHR				
1BCHV-F004C	01/09/91	af/al	0.027	
1BCHV-F004C	09/23/92	af	0.002	
1BCHV-F004C	09/29/92	al	0.010	
1BCHV-F004C	03/13/94	af/al	0.027	
Containment Penetration P212A - RHR				
1BCHV-F007B	12/17/90	af/al	0.025	Test results include 1BCHV-F007D, 1BCHV-F010B, 1BCHV-F011B, 1BCHV-F024B, 1BCV-260
1BCHV-F007B	10/24/92	af/al	0.070	Test results include 1BCHV-F007D, 1BCHV-F010B, 1BCHV-F011B, 1BCHV-F024B, 1BCV-260
1BCHV-F007B	03/24/94	af	0.141	Test results include 1BCHV-F007D, 1BCHV-F010B, 1BCHV-F011B, 1BCHV-F024B, 1BCV-260
1BCHV-F007B	04/13/94	al	0.026	
1BCHV-F007D	12/17/90	af/al	0.025	Test results include 1BCHV-F007B, 1BCHV-F010B, 1BCHV-F011B, 1BCHV-F024B, 1BCV-260
1BCHV-F007D	10/24/92	af/al	0.070	Test results include 1BCHV-F007B, 1BCHV-F010B, 1BCHV-F011B, 1BCHV-F024B, 1BCV-260
1BCHV-F007D	03/24/94	af	0.141	Test results include 1BCHV-F007B, 1BCHV-F010B, 1BCHV-F011B, 1BCHV-F024B, 1BCV-260
1BCHV-F007D	04/03/94	al	0.003	Test results include 1BCHV-F007B, 1BCHV-F010B, 1BCHV-F011B, 1BCHV-F024B, 1BCV-260
1BCHV-F010B	12/17/90	af/al	0.025	Test results include 1BCHV-F007B, 1BCHV-F007D, 1BCHV-F011B, 1BCHV-F024B, 1BCV-260
1BCHV-F010B	10/24/92	af/al	0.070	Test results include 1BCHV-F007B, 1BCHV-F007D, 1BCHV-F011B, 1BCHV-F024B, 1BCV-260
1BCHV-F010B	03/24/94	af	0.141	Test results include 1BCHV-F007B, 1BCHV-F007D, 1BCHV-F011B, 1BCHV-F024B, 1BCV-260
1BCHV-F010B	04/03/94	al	0.003	Test results include 1BCHV-F007B, 1BCHV-F007D, 1BCHV-F011B, 1BCHV-F024B, 1BCV-260
1BCHV-F011B	12/17/90	af/al	0.025	Test results include 1BCHV-F007B, 1BCHV-F007D, 1BCHV-F010B, 1BCHV-F024B, 1BCV-260
1BCHV-F011B	10/24/92	af/al	0.070	Test results include 1BCHV-F007B, 1BCHV-F007D, 1BCHV-F010B, 1BCHV-F024B, 1BCV-260
1BCHV-F011B	03/24/94	af	0.141	Test results include 1BCHV-F007B, 1BCHV-F007D, 1BCHV-F010B, 1BCHV-F024B, 1BCV-260
1BCHV-F011B	04/03/94	al	0.003	Test results include 1BCHV-F007B, 1BCHV-F007D, 1BCHV-F010B, 1BCHV-F024B, 1BCV-260
1BCHV-F024B	12/17/90	af/al	0.025	Test results include 1BCHV-F007B, 1BCHV-F007D, 1BCHV-F010B, 1BCHV-F011B, 1BCV-260
1BCHV-F024B	10/24/92	af	0.070	Test results include 1BCHV-F007B, 1BCHV-F007D, 1BCHV-F010B, 1BCHV-F011B, 1BCV-260
1BCHV-F024B	11/05/92	al	0.006	
1BCHV-F024B	03/24/94	af	0.141	Test results include 1BCHV-F007B, 1BCHV-F007D, 1BCHV-F010B, 1BCHV-F011B, 1BCV-260
1BCHV-F024B	04/03/94	al	0.003	Test results include 1BCHV-F007B, 1BCHV-F007D, 1BCHV-F010B, 1BCHV-F011B, 1BCV-260
1BCV-260	12/17/90	af/al	0.025	Test results include 1BCHV-F007B, 1BCHV-F007D, 1BCHV-F010B, 1BCHV-F011B, 1BCHV-F024B
1BCV-260	10/24/92	af/al	0.070	Test results include 1BCHV-F007B, 1BCHV-F007D, 1BCHV-F010B, 1BCHV-F011B, 1BCHV-F024B
1BCV-260	03/24/94	af	0.141	Test results include 1BCHV-F007B, 1BCHV-F007D, 1BCHV-F010B, 1BCHV-F011B, 1BCHV-F024B
1BCV-260	04/03/94	al	0.003	Test results include 1BCHV-F007B, 1BCHV-F007D, 1BCHV-F010B, 1BCHV-F011B, 1BCHV-F024B

**Reactor Containment Building Integrated Leak Rate Test,
Hope Creek Generating Station, April 1994**

Appendix H (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (gpm)	COMMENTS
Containment Penetration P212B - RHR				
1BCHV-F007A	01/09/91	af/al	0.117	Test results include 1BCHV-F007C, 1BCHV-F010A, 1BCHV-F011A, 1BCHV-F024A, 1BCV-206
1BCHV-F007A	09/23/92	af	0.048	Test results include 1BCHV-F007C, 1BCHV-F010A, 1BCHV-F011A, 1BCHV-F024A, 1BCV-206
1BCHV-F007A	10/01/92	al	0.037	Test results include 1BCHV-F007C, 1BCHV-F010A, 1BCHV-F011A, 1BCHV-F024A, 1BCV-206
1BCHV-F007A	03/19/94	af/al	0.017	Test results include 1BCHV-F007C, 1BCHV-F010A, 1BCHV-F011A, 1BCHV-F024A, 1BCV-206
1BCHV-F007C	01/09/91	af/al	0.117	Test results include 1BCHV-F007A, 1BCHV-F010A, 1BCHV-F011A, 1BCHV-F024A, 1BCV-206
1BCHV-F007C	09/23/92	af	0.048	Test results include 1BCHV-F007A, 1BCHV-F010A, 1BCHV-F011A, 1BCHV-F024A, 1BCV-206
1BCHV-F007C	10/07/92	al	0.051	
1BCHV-F007C	03/19/94	af/al	0.017	Test results include 1BCHV-F007A, 1BCHV-F010A, 1BCHV-F011A, 1BCHV-F024A, 1BCV-206
1BCHV-F010A	01/09/91	af/al	0.117	Test results include 1BCHV-F007A, 1BCHV-F007C, 1BCHV-F011A, 1BCHV-F024A, 1BCV-206
1BCHV-F010A	09/23/92	af	0.048	Test results include 1BCHV-F007A, 1BCHV-F007C, 1BCHV-F011A, 1BCHV-F024A, 1BCV-206
1BCHV-F010A	10/01/92	al	0.037	Test results include 1BCHV-F007A, 1BCHV-F007C, 1BCHV-F011A, 1BCHV-F024A, 1BCV-206
1BCHV-F010A	03/19/94	af/al	0.017	Test results include 1BCHV-F007A, 1BCHV-F007C, 1BCHV-F011A, 1BCHV-F024A, 1BCV-206
1BCHV-F011A	01/09/91	af/al	0.117	Test results include 1BCHV-F007A, 1BCHV-F007C, 1BCHV-F010A, 1BCHV-F024A, 1BCV-206
1BCHV-F011A	09/23/92	af	0.048	Test results include 1BCHV-F007A, 1BCHV-F007C, 1BCHV-F010A, 1BCHV-F024A, 1BCV-206
1BCHV-F011A	10/01/92	al	0.037	Test results include 1BCHV-F007A, 1BCHV-F007C, 1BCHV-F010A, 1BCHV-F024A, 1BCV-206
1BCHV-F011A	03/19/94	af/al	0.017	Test results include 1BCHV-F007A, 1BCHV-F007C, 1BCHV-F010A, 1BCHV-F024A, 1BCV-206
1BCHV-F024A	01/09/91	af/al	0.117	Test results include 1BCHV-F007A, 1BCHV-F007C, 1BCHV-F010A, 1BCHV-F011A, 1BCV-206
1BCHV-F024A	09/23/92	af	0.048	Test results include 1BCHV-F007A, 1BCHV-F007C, 1BCHV-F010A, 1BCHV-F011A, 1BCV-206
1BCHV-F024A	10/01/92	al	0.037	Test results include 1BCHV-F007A, 1BCHV-F007C, 1BCHV-F010A, 1BCHV-F011A, 1BCV-206
1BCHV-F024A	03/19/94	af/al	0.017	Test results include 1BCHV-F007A, 1BCHV-F007C, 1BCHV-F010A, 1BCHV-F011A, 1BCV-206
1BCV-206	01/09/91	af/al	0.117	Test results include 1BCHV-F007A, 1BCHV-F007C, 1BCHV-F010A, 1BCHV-F011A, 1BCHV-F024A
1BCV-206	09/23/92	af	0.048	Test results include 1BCHV-F007A, 1BCHV-F007C, 1BCHV-F010A, 1BCHV-F011A, 1BCHV-F024A
1BCV-206	10/01/92	al	0.037	Test results include 1BCHV-F007A, 1BCHV-F007C, 1BCHV-F010A, 1BCHV-F011A, 1BCHV-F024A
1BCV-206	03/19/94	af/al	0.017	Test results include 1BCHV-F007A, 1BCHV-F007C, 1BCHV-F010A, 1BCHV-F011A, 1BCHV-F024A
Containment Penetration P216A - Core Spray				
1BEHV-F001B	01/14/91	af/al	0.000	
1BEHV-F001B	09/18/92	af/al	0.000	
1BEHV-F001B	03/24/94	af	0.034	
1BEHV-F001B	03/29/94	al	0.000	
Containment Penetration P216B - Core Spray				
1BEHV-F001D	01/14/91	af/al	0.280	
1BEHV-F001D	09/19/92	af/al	0.041	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix H (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (gpm)	COMMENTS
1BEHV-F001D	03/24/94	af	0.000	
1BEHV-F001D	03/29/94	al	0.220	
Containment Penetration P216C - Core Spray				
1BEHV-F001C	12/14/90	af/al	0.009	
1BEHV-F001C	09/24/92	af/al	0.000	
1BEHV-F001C	03/11/94	af	0.003	
1BEHV-F001C	03/19/94	al	0.031	
Containment Penetration P216D - Core Spray				
1BEHV-F001A	12/14/90	af/al	0.026	
1BEHV-F001A	09/24/92	af/al	0.041	
1BEHV-F001A	03/11/94	af	0.021	
1BEHV-F001A	03/22/94	al	0.118	
Containment Penetration P217A - Core Spray				
1BEHV-F015B	01/20/91	af/al	0.030	Test results include 1BEHV-F031B
1BEHV-F015B	09/18/92	af	0.134	Test results include 1BEHV-F031B
1BEHV-F015B	09/19/92	al	0.005	Test results include 1BEHV-F031B
1BEHV-F015B	08/09/93	af	> 10.000	Test results include 1BEHV-F031B
1BEHV-F015B	08/10/93	al	0.060	Test results include 1BEHV-F031B
1BEHV-F015B	03/25/94	af/al	0.000	Test results include 1BEHV-F031B
1BEHV-F031B	01/20/91	af/al	0.030	Test results include 1BEHV-F015B
1BEHV-F031B	09/18/92	af	0.134	Test results include 1BEHV-F015B
1BEHV-F031B	09/23/92	al	0.019	
1BEHV-F031B	08/09/93	af	> 10.000	Test results include 1BEHV-F015B
1BEHV-F031B	08/10/93	al	0.060	Test results include 1BEHV-F015B
1BEHV-F031B	03/25/94	af/al	0.000	Test results include 1BEHV-F015B
P217A F1	03/29/94	al	0.000	
Containment Penetration P217B - Core Spray				
1BEHV-F015A	12/14/90	af/al	0.006	Test results include 1BEHV-F031A
1BEHV-F015A	09/24/92	af	0.000	Test results include 1BEHV-F031A
1BEHV-F015A	10/04/92	al	0.003	Test results include 1BEHV-F031A
1BEHV-F015A	03/11/94	af/al	0.003	Test results include 1BEHV-F031A
1BEHV-F031A	12/14/90	af/al	0.006	Test results include 1BEHV-F015A
1BEHV-F031A	09/24/92	af	0.000	Test results include 1BEHV-F015A

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix H (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (gpm)	COMMENTS
1BEHV-F031A	10/04/92	al	0.003	Test results include 1BEHV-F015A
1BEHV-F031A	02/16/94	af	> 10.000	
1BEHV-F031A	02/17/94	al	0.000	Test results include 1BEHV-F015A
1BEHV-F031A	03/11/94	al	0.003	
P217B F1	10/09/92	al	0.000	
P217B F1	03/13/94	af	1.000	
P217B F1	04/03/94	al	0.000	
Containment Penetration P222 - Torus Water Cleanup				
1EEHV-4652	01/10/91	af/al	0.012	
1EEHV-4652	09/26/92	af/al	0.000	
1EEHV-4652	03/15/94	af/al	0.000	
1EEHV-4679	01/10/91	af/al	0.014	
1EEHV-4679	09/26/92	af/al	0.000	
1EEHV-4679	03/15/94	af/al	0.011	
Containment Penetration P223 - Torus Water Cleanup				
1EEHV-4680	01/10/91	af	0.490	
1EEHV-4680	01/10/91	al	0.220	
1EEHV-4680	09/26/92	af/al	0.200	
1EEHV-4690	03/15/94	af	0.360	
1EEHV-4680	04/06/94	al	0.000	
1EEHV-4681	12/20/90	af/al	0.250	
1EEHV-4681	09/26/92	af/al	0.168	
1EEHV-4681	03/15/94	af/al	0.048	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix I - Extended Containment Boundary Leakage

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
Test 1 - "A" RHR Pump Suction and Discharge Piping				
	02/23/91	af/al	0.000	
	11/08/92	af/al	0.000	
	02/24/94	af/al	0.150	Measured during CILRT
Test 2 - "C" RHR Pump Suction and Discharge Piping				
	01/03/91	af/al	0.000	
	10/04/92	af/al	30.000	
	01/18/94	af/al	0.000	
Test 3 - "A" RHR Common Piping				
	02/23/91	af/al	0.000	
	11/08/92	af/al	0.000	
	02/24/94	af/al	0.100	Measured during CILRT
Test 4 - "B" RHR Pump Suction and Discharge Piping				
	01/22/91	af/al	0.000	
	11/24/92	af/al	0.000	
	02/03/94	af/al	0.000	
Test 5 - "D" RHR Pump Suction and Discharge Piping				
	01/15/91	af/al	0.000	
	12/07/92	af/al	0.000	
	12/04/93	af/al	0.000	
Test 6 - "B" RHR Common Piping				
	01/15/91	af/al	0.000	
	12/07/92	af/al	0.000	
	02/03/94	af/al	0.050	Measured during CILRT
Test 7 - "A" Core Spray Pump Suction and Discharge Piping				
	02/21/91	af/al	0.000	
	11/25/92	af/al	0.000	
	03/01/94	af/al	0.000	
Test 8 - "C" Core Spray Pump Suction and Discharge Piping				
	02/21/91	af/al	0.000	
	11/25/92	af/al	0.000	
	03/01/94	af/al	0.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix I (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
Test 9 - "A" Core Spray Common Piping				
	02/21/91	af/al	0.000	
	11/25/92	af/al	0.000	
	03/01/94	af/al	0.000	
Test 10 - "B" Core Spray Pump Suction and Discharge Piping				
	01/13/91	af/al	0.000	
	11/16/92	af/al	0.000	
	02/28/94	af/al	0.050	Measured during CILRT
Test 11 - "D" Core Spray Pump Suction and Discharge Piping				
	01/13/91	af/al	0.000	
	11/16/92	af/al	0.000	
	02/28/94	af/al	0.050	Measured during CILRT
Test 12 - "B" Core Spray Common Piping				
	01/13/91	af/al	0.000	
	11/16/92	af/al	0.000	
	02/28/94	af/al	0.000	
Test 13 - RCIC Water Piping				
	02/22/91	af/al	0.000	
	11/25/92	af/al	0.000	
	11/23/94	af/al	0.050	Measured during CILRT
Test 14 - RCIC Steam Piping				
	02/22/91	af/al	0.000	
	11/25/92	af/al	0.000	
	11/23/94	af/al	0.000	
Test 15 - HPCI Water Piping				
	03/05/91	af/al	0.000	
	11/10/92	af/al	0.000	
	02/04/94	af/al	0.000	
Test 16 - HPCI Steam Piping				
	03/05/91	af/al	0.000	
	11/10/92	af/al	0.000	
	02/04/94	af/al	0.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix I (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
Test 17 - CRD Piping South				
	12/26/90	af/al	0.000	
	09/12/92	af/al	1.000	
	03/05/94	af/al	7570.000	Test results include CRD Piping South. Measured during CILRT
Test 18 - CRD Piping North				
	12/26/90	af/al	0.000	
	09/12/92	af	2.000	
	09/12/92	al	0.000	
	03/05/94	af/al	7570.000	Test results include CRD Piping North. Measured during CILRT
Test 19 - "A" Hydrogen Recombiner Piping				
	02/06/91	af	1456.000	
	02/06/91	al	32.000	
	09/17/92	af/al	203.000	
	03/09/94	af/al	7.200	
Test 20 - "B" Hydrogen Recombiner Piping				
	02/06/91	af	740.000	
	02/06/91	al	50.000	
	09/15/92	af/al	350.000	
	03/09/94	af	911.000	
	03/22/94	al	36.000	
Test 21 - PASS Liquid Piping				
	03/14/91	af/al	0.000	
	10/06/92	af/al	0.000	
Test 22 - PASS Gas Piping				
	12/20/90	af/al	974.000	
	10/08/92	af/al	786.500	
	03/17/94	af	1220.000	
	03/17/94	al	923.000	
Test 23 - "A" Hydrogen-Oxygen Analyzer Piping				
	01/16/91	af	675.000	
	01/16/91	al	31.000	
	10/06/92	af/al	113.000	
	03/10/94	af/al	712.000	

Reactor Containment Building Integrated Leak Rate Test
Hope Creek Generating Station, April 1994

Appendix I (continued)

COMPONENT	DATE	TEST TYPE	LEAKAGE (sccm)	COMMENTS
Test 24 - "B" Hydrogen-Oxygen Analyzer Piping				
	01/19/91	af/al	257.000	
	10/06/92	af/al	72.500	
	03/10/94	af/al	65.600	