

CONTAINMENT SYSTEM

LIMITING CONDITION FOR OPERATION (Continued)

ACTION: (Continued)

- c. The leakage rate to less than or equal to 11.5 scf per hour for any one main steam line isolation valve, and
- d. The combined leakage rate for all ECCS and RCIC containment isolation valves in hydrostatically tested lines which penetrate the primary containment to less than or equal to 1 gpm times the total number of such valves,

prior to increasing reactor coolant system temperature above 200°F.

SURVEILLANCE REQUIREMENTS

~~4.6.1.2 The primary containment leakage rates shall be demonstrated at the following test schedule and shall be determined in conformance with the criteria specified in Appendix J of 10 CFR Part 50 using the methods and provisions of ANSI N45.4-1972.~~

Perform required primary containment leakage rate testing in accordance with the Primary Containment Leakage Rate Testing Program described in Specification 6.8.4.f.

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- b. Deleted
- c. Deleted

~~a. Three Type A Overall Integrated Containment Leakage Rate tests shall be conducted at 40 ± 10 month intervals during shutdown at P_a , during each 10 year service period. The third test of each set shall be conducted during the shutdown for the 10 year plant inservice inspection.~~

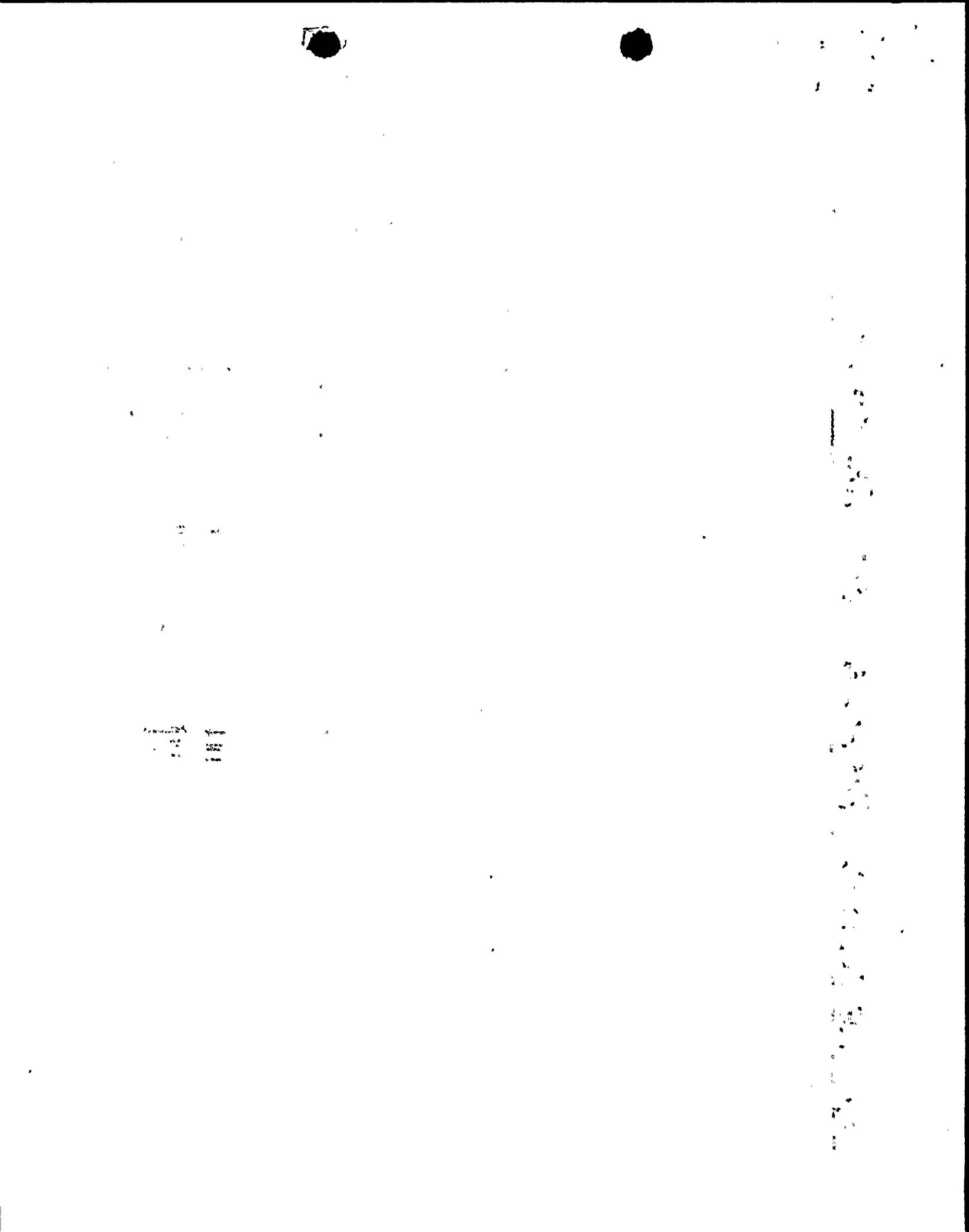
~~b. If any periodic Type A test fails to meet $0.75 L_a$, the test schedule for subsequent Type A tests shall be reviewed and approved by the Commission. If two consecutive Type A tests fail to meet $0.75 L_a$, a Type A test shall be performed at least every 18 months until two consecutive Type A tests meet $0.75 L_a$, at which time the above test schedule may be resumed.~~

~~c. The accuracy of each Type A test shall be verified by a supplemental test which:~~

- ~~1. Confirms the accuracy of the test by verifying that the supplemental test result, L_c , minus the sum of the Type A and the superimposed leak, L_o , are equal to or less than $0.25 L_a$.~~
- ~~2. Has duration sufficient to establish accurately the change in leakage rate between the Type A test and the supplemental test.~~
- ~~3. Requires the quantity of gas injected into the containment or bled from the containment during the supplemental test to be between $0.75 L_a$ and $1.25 L_a$.~~

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CONTAINMENT SYSTEMS

SURVEILLANCE REQUIREMENTS (Continued)

~~d. Type B and C tests shall be conducted with gas at P₁, at intervals no greater than 24 months*** except for tests involving:~~

~~1. Air Locks~~

~~2. Main steam line isolation valves,~~

~~3. Valves pressurized with fluid from a seal system,~~

~~4. ECCS and RCIC containment isolation valves in hydrostatically tested lines which penetrate the primary containment, and~~

~~5. Purge supply and exhaust isolation valves with resilient seals~~

~~e. Air locks shall be tested and demonstrated OPERABLE per Surveillance Requirement 4.6.1.3.~~

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~~f. Main steam line isolation valves shall be leak tested at least once per 12 months, per 30 months.~~

~~g. Leakage from isolation valves that are sealed with fluid from a seal system may be excluded, subject to the provisions of Appendix J, Section III.6.3, when determining the combined leakage rate provided the seal system and valves are pressurized to at least 1.10 P₁, and the seal system capacity is adequate to maintain system pressure for at least 30 days.~~

~~h. ECCS and RCIC containment isolation valves in hydrostatically tested lines which penetrate the primary containment shall be leak tested at least once per 18 months.~~

~~i. Purge supply and exhaust isolation valves with resilient material seals shall be tested and demonstrated OPERABLE per Surveillance Requirements 4.6.1.8.1 and 4.6.1.8.2.~~

~~j. The provisions of Specification 4.6.2 are not applicable to 24 month or 40 ± 10 month surveillance intervals.~~

g. Deleted

h. Deleted

i. Deleted

j. Deleted

~~Unless a hydrostatic test is required per Table 3.6.3.1.~~

~~***For those tests conducted during refueling outages, the 24 month interval may be exceeded by no more than 2 months.~~

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| Number of hauls | L. (%) | C. (%) | H. (%) |
|-----------------|--------|--------|--------|
| 1 | 10 | 10 | 10 |
| 2 | 100 | 20 | 20 |
| 3 | 10 | 40 | 30 |
| 4 | 10 | 100 | 40 |
| 5 | 10 | 100 | 60 |
| 6 | 10 | 100 | 100 |
| 7 | 10 | 100 | 100 |
| 8 | 10 | 100 | 100 |
| 9 | 10 | 100 | 100 |
| 10 | 10 | 100 | 100 |

The diagram illustrates a two-stage process. The top stage, labeled 'Pre-Test', contains a box labeled 'Pre-Test' and a label 'Pre-Test'. The bottom stage, labeled 'Post-Test', contains a box labeled 'Post-Test' and a label 'Post-Test'. Arrows indicate the flow from the Pre-Test stage to the Post-Test stage.

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CONTAINMENT SYSTEMS

LIMITING CONDITION FOR OPERATION (Continued)

ACTION: (Continued)

3. Otherwise, be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.
4. The provisions of Specification 3.0.4 are not applicable.
- c. With the primary containment air lock inoperable, except as a result of an inoperable air lock door or an inoperable interlock mechanism, maintain at least one air lock door closed; restore the inoperable air lock to OPERABLE status within 24 hours or be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

SURVEILLANCE REQUIREMENTS

4.6.1.3 Each primary containment air lock shall be demonstrated OPERABLE:

- a. By verifying interlock operation (i.e., that only one door in each air lock can be opened at a time).
 1. Prior to using the air lock in Operating Conditions 1, 2 and 3 but not required more than once per 6 months,
 2. Following maintenance that could affect the interlock mechanism.
- b. Within 72 hours following each closing, except when the air lock is being used for multiple entries, then at least once per 72 hours, by verifying seal leakage rate less than or equal to 0.025 L_s when the gap between the door seals is pressurized to 10 psig.
- c. By conducting an overall air lock leakage test at P_s, and by verifying that the overall air lock leakage rate is within its limit:
 - ~~1. At least once per 6 months, and~~
 1. At intervals determined in accordance with 10 CFR 50 Appendix J using the methods and provisions outlined in the Primary Containment Leakage Rate Testing Program described in Specification 6.3.4.f, and
 2. Prior to establishing PRIMARY CONTAINMENT INTEGRITY when maintenance had been performed on the air lock that could affect the air lock sealing capability*.

~~1. The provisions of Specification 4.3.2 are not applicable.~~

* Exception to Appendix J of 10 CFR 50.

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ADMINISTRATIVE CONTROLS

PROCEDURES AND PROGRAMS (Continued)

d. Radioactive Effluent Controls Program (continued)

- 9) Limitations on the annual and quarterly dose to a MEMBER OF THE PUBLIC from iodine-131, iodine-133, tritium, and all radionuclides in particulate form with half-lives greater than 8 days in gaseous effluents released from each unit to areas beyond the SITE BOUNDARY conforming to Appendix I to 10 CFR Part 50,
- 10) Limitations on venting and purging of the containment through the Standby Gas Treatment System to maintain releases as low as reasonably achievable, and
- 11) Limitations on the annual dose or dose commitment to any MEMBER OF THE PUBLIC due to releases of radioactivity and to radiation from uranium fuel cycle sources conforming to 40 CFR Part 190.

e. Radiological Environmental Monitoring Program

A program shall be provided to monitor the radiation and radionuclides in the environs of the plant. The program shall provide (1) representative measurements of radioactivity in the highest potential exposure pathways, and (2) verification of the accuracy of the effluent monitoring program and modeling of environmental exposure pathways. The program shall (1) be contained in the ODCM, (2) conform to the guidance of Appendix I to 10 CFR Part 50, and (3) include the following:

- 1) Monitoring, sampling, analysis and reporting of radiation and radionuclides in the environment in accordance with the methodology and parameters in the ODCM.
- 2) A Land Use Census to ensure that changes in the use of areas at and beyond the SITE BOUNDARY are identified and that modifications to the monitoring program are made if required by the results of this census, and
- 3) Participation in the Interlaboratory Comparison Program to ensure that independent checks on the precision and accuracy of the measurements of radioactive materials in environmental sample matrices are performed as part of the quality assurance program for environmental monitoring.

f. Primary Containment Leakage Rate Testing Program

A program shall be established to implement the leakage testing for the primary containment as required by 10 CFR 50.54(o) and 10 CFR 50 Appendix J. This program shall be in accordance with the guidelines of Regulatory Guide 1.163, Revision 3, "Performance-Based Containment Leak-Test Program", as modified by ~~approved exemptions~~ and the following exceptions:

1. Compensation for flow meter inaccuracies in excess of those specified in standard ANSI/ANS 56.8-1994 will be accomplished by increasing the actual instrument reading by the amount of the full scale inaccuracy when assessing the effect of local leak rates against the criteria established in Technical Specification 3.6.1.2.b.

PROPOSED
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AS MARKED

WASHINGTON NUCLEAR - UNIT 2

6-15b

Amendment No. 98

dated September
1995

Option B, as modified
by approved exemptions.

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