

NPF-38-182

ATTACHMENT A

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## CONTAINMENT SYSTEMS

### SURVEILLANCE REQUIREMENTS (Continued)

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- a. Type A tests shall be conducted in accordance with the schedule and criteria specified in 10 CFR 50, Appendix J, as modified by approved exemptions.
- b. Type B and C tests shall be conducted with gas at  $P_a$ , 44 psig, at intervals no greater than 24 months except for tests involving:
  1. Air locks,
  2. Purge supply and exhaust isolation valves with resilient material seals.

### 3/4.6 CONTAINMENT SYSTEMS

#### BASES

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#### 3/4.6.1 PRIMARY CONTAINMENT

##### 3/4.6.1.1 CONTAINMENT INTEGRITY

Primary CONTAINMENT INTEGRITY ensures that the release of radioactive materials from the containment atmosphere will be restricted to those leakage paths and associated leak rates assumed in the safety analyses. This restriction, in conjunction with the leakage rate limitation, will limit the SITE BOUNDARY radiation doses to within the limits of 10 CFR Part 100 during accident conditions.

##### 3/4.6.1.2 CONTAINMENT LEAKAGE

The limitations on containment leakage rates ensure that the total containment leakage volume will not exceed the value assumed in the safety analyses at the peak accident pressure,  $P_a$ . As an added conservatism, the measured overall integrated leakage rate is further limited to less than or equal to  $0.75 L$ , or less than or equal to  $0.75 L$ , as applicable during performance of the periodic tests to account for possible degradation of the containment leakage barriers between leakage tests.

The surveillance requirements for measuring leakage rates are consistent with the requirements of 10 CFR 50, Appendix J and performed in accordance with the methods and provisions of ANSI N45.4-1972.

Secondary containment bypass leakage paths previously, Table 3.6-1, have been incorporated into plant procedure UNT-005.026.

##### 3/4.6.1.3 CONTAINMENT AIR LOCKS

The limitations on closure and leak rate for the containment air locks are required to meet the restrictions on CONTAINMENT INTEGRITY and containment leak rate. Surveillance testing of the air lock seals provides assurance that the overall air lock leakage will not become excessive due to seal damage during the intervals between air lock leakage tests.

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ATTACHMENT B

## CONTAINMENT SYSTEMS

### SURVEILLANCE Requirements (Continued)

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- a. Type A tests shall be conducted in accordance with the schedule and criteria specified in 10 CFR 50, Appendix J, Option B, as modified by approved exemptions.
- b. Type B and C tests shall be conducted with gas at  $P_a$ , 44 psig, at intervals no greater than 24 months except for tests involving:
  - 1. Air locks,
  - 2. Purge supply and exhaust isolation valves with resilient material seals.



## 3/4.6 CONTAINMENT SYSTEMS

### BASES

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#### 3/4.6.1 PRIMARY CONTAINMENT

##### 3/4.6.1.1 CONTAINMENT INTEGRITY

Primary CONTAINMENT INTEGRITY ensures that the release of radioactive materials from the containment atmosphere will be restricted to those leakage paths and associated leak rates assumed in the safety analyses. This restriction, in conjunction with the leakage rate limitation, will limit the SITE BOUNDARY radiation doses to within the limits of 10 CFR Part 100 during accident conditions.

##### 3/4.6.1.2 CONTAINMENT LEAKAGE

The limitations on containment leakage rates ensure that the total containment leakage volume will not exceed the value assumed in the safety analyses at the peak accident pressure, Pa. As an added conservatism, the measured overall integrated leakage rate is further limited to less than or equal to 0.75 La or less than or equal to 0.75 Lt, as applicable during performance of the periodic tests to account for possible degradation of the containment leakage barriers between leakage tests.

The surveillance requirements for measuring leakage rates are consistent with the requirements of 10 CFR 50, Appendix J, and performed in accordance with the methods and provisions of ANSI N45.4-1972. Periodicity for Type A testing is determined by the performance-based leakage-testing program.

Secondary containment bypass leakage paths, Table 3.6-1, has been relocated into the Technical Requirements Manual.

##### 3/4.6.1.3 CONTAINMENT AIR LOCKS

The limitations on closure and leak rate for the containment air locks are required to meet the restrictions on CONTAINMENT INTEGRITY and containment leak rate. Surveillance testing of the air lock seals provides assurance that the overall air lock leakage will not become excessive due to seal damage during the intervals between air lock leakage tests.