

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
SR 3.6.1.3.10 Remove and test the explosive squib from each shear isolation valve of the TIP System.	24 months on a STAGGERED TEST BASIS
SR 3.6.1.3.11 -----NOTES----- Only required to be met in MODES 1, 2, and 3. ----- Verify the combined leakage rate for all secondary containment bypass leakage paths is ≤ 25.43 scfh when pressurized to $\geq P_a$.	In accordance with the Primary Containment Leakage Rate Testing Program.
SR 3.6.1.3.12 -----NOTES----- Only required to be met in MODES 1, 2, and 3. ----- Verify leakage rate through each MSIV is ≤ 100 scfh and ≤ 300 scfh for the combined maximum pathway leakage including the leakage from the MS Line Drains, when the MSIVs are tested at ≥ 22.5 psig or P_a and the MS Line Drains are tested at P_a .	In accordance with the Primary Containment Leakage Rate Testing Program.

(continued)

HPCL drain lines, and RCIC drain lines

9809220202 9809167
PDR ADDCK 05000387
P PDR

BASES

SURVEILLANCE
REQUIREMENTS

SR 3.6.1.3.10 (continued)

design. The explosive squib is removed and tested to provide assurance that the valves will actuate when required. The replacement charge for the explosive squib shall be from the same manufactured batch as the one fired or from another batch that has been certified by having one of the batch successfully fired. The Frequency of 24 months on a STAGGERED TEST BASIS is considered adequate given the administrative controls on replacement charges and the frequent checks of circuit continuity (SR 3.6.1.3.4).

SR 3.6.1.3.11

This SR ensures that the leakage rate of secondary containment bypass leakage paths is less than the specified leakage rate. This provides assurance that the assumptions in the radiological evaluations of Reference 4 are met. The potential secondary containment leakage pathways and Frequency are defined by the Primary Containment Leakage Rate Testing Program. This SR simply imposes additional acceptance criteria. A note is added to this SR which states that these valves are only required to meet this leakage limit in MODES 1, 2, and 3. In the other MODES, the Reactor Coolant System is not pressurized and specific primary containment leakage limits are not required.

SR 3.6.1.3.12

The analyses in References 1 and 4 are based on leakage that is less than the specified leakage rate. Leakage through each MSIV must be ≤ 100 scfh for anyone MSIV or ≤ 300 scfh for total maximum pathway leakage through the MSIVs combined with the Main Steam Line Drains which shall be verified ≤ 1.2 scfh. The MSIVs can be tested at either $\geq P_1$ (22.5 psig) or P_a (45 psig). Main Steam Line Drains are tested at P_a (45 psig). A note is added to this SR which states that these valves are only required to meet this leakage limit in MODES 1, 2, and 3. In the other conditions, the Reactor Coolant System is not pressurized and specific primary containment leakage limits are not required. The Frequency is required by the Primary Containment Leakage Rate Testing Program. If leakage from the MSIVs requires internal work on any MSIV, the leakage will be reduced for the affected MSIV to ≤ 11.5 scfh.

including

HPCI and RCTC

(continued)

SURVEILLANCE REQUIREMENTS (continued)

SURVEILLANCE	FREQUENCY
<p>SR 3.6.1.3.11 -----NOTES----- Only required to be met in MODES 1, 2, and 3. -----</p> <p>Verify the combined leakage rate for all secondary containment bypass leakage paths is ≤ 25.43 scfh when pressurized to $\geq P_a$.</p>	<p>In accordance with the Primary Containment Leakage Rate Testing Program.</p>
<p>SR 3.6.1.3.12 -----NOTES----- Only required to be met in MODES 1, 2, and 3. -----</p> <p>Verify leakage rate through each MSIV is ≤ 100 scfh and ≤ 300 scfh for the combined maximum pathway leakage including the leakage from the MS Line Drains when the MSIVs are tested at ≥ 22.5 psig or P_a and the MS Line Drains are tested at P_a.</p>	<p>In accordance with the Primary Containment Leakage Rate Testing Program.</p>

(continued)

HPCL drain lines, and RCEC drain lines



100

1

4

1

1880-1881

BASES

SURVEILLANCE
REQUIREMENTS
(continued)

SR 3.6.1.3.10

The TIP shear isolation valves are actuated by explosive charges. An in place functional test is not possible with this design. The explosive squib is removed and tested to provide assurance that the valves will actuate when required. The replacement charge for the explosive squib shall be from the same manufactured batch as the one fired or from another batch that has been certified by having one of the batch successfully fired. The Frequency of 24 months on a STAGGERED TEST BASIS is considered adequate given the administrative controls on replacement charges and the frequent checks of circuit continuity (SR 3.6.1.3.4).

SR 3.6.1.3.11

This SR ensures that the leakage rate of secondary containment bypass leakage paths is less than the specified leakage rate. This provides assurance that the assumptions in the radiological evaluations of Reference 4 are met. The potential secondary containment leakage pathways and Frequency are defined by the Primary Containment Leakage Rate Testing Program. This SR simply imposes additional acceptance criteria. A note is added to this SR which states that these valves are only required to meet this leakage limit in MODES 1, 2, and 3. In the other MODES, the Reactor Coolant System is not pressurized and specific primary containment leakage limits are not required.

SR 3.6.1.3.12

The analyses in References 1 and 4 are based on leakage that is less than the specified leakage rate. Leakage through each MSIV must be ≤ 100 scfh for anyone MSIV or ≤ 300 scfh for total maximum pathway leakage through the MSIVs ~~combined with the Main Steam Line Drains, which shall be verified ≤ 1.2 scfh.~~ The MSIVs can be tested at either $\geq P_1$ (22.5 psig) or P_a (45 psig). Main Steam Line Drains are tested at P_a (45 psig). A note is added to this SR which states that these valves are only required to meet this leakage limit in MODES 1, 2, and 3. In the other conditions, the Reactor Coolant System is not pressurized and specific primary containment leakage limits are not required. The Frequency is required by the Primary

including

J HPC and BWC

(continued)

1971

1971

1971