

## REACTOR COOLANT SYSTEM

### 3/4.4.3 REACTOR COOLANT SYSTEM LEAKAGE

#### LEAKAGE DETECTION SYSTEMS

#### LIMITING CONDITION FOR OPERATION

3.4.3.1 The following reactor coolant system leakage detection system <sup>combinations</sup> shall be OPERABLE:

- a. The drywell atmosphere particulate or gaseous radioactivity monitoring system,
- b. The drywell floor drain sump and equipment drain sump flow monitoring system, and
- c. The upper drywell air coolers condensate flow rate monitoring system, or the drywell floor drain sump flow monitoring system.

APPLICABILITY: OPERATIONAL CONDITIONS 1, 2 and 3.

#### ACTION:

With only two of the required leakage detection system <sup>combinations</sup> OPERABLE, operation may continue for up to:

- a. 30 days when the required gaseous and particulate radioactive monitoring system is inoperable provided grab samples of the drywell atmosphere are obtained and analyzed at least once per 24 hours, or
- b. 30 days when the drywell floor drain sump or equipment drain sump flow monitoring system is inoperable, or

Otherwise, be in at least HOT SHUTDOWN within the next 12 hours and in COLD SHUTDOWN within the following 24 hours.

#### SURVEILLANCE REQUIREMENTS

4.4.3.1 The reactor coolant system leakage detection systems shall be demonstrated OPERABLE by:

- a. Drywell atmosphere particulate or gaseous monitoring systems- performance of a CHANNEL CHECK at least once per 12 hours, a CHANNEL FUNCTIONAL TEST at least once per 31 days and a CHANNEL CALIBRATION at least once per 18 months.
- b. Drywell floor drain and equipment drain sump flow monitoring system- performance of a CHANNEL FUNCTIONAL TEST at least once per 31 days and a CHANNEL CALIBRATION at least once per 18 months.
- c. Upper drywell air coolers condensate flow rate monitoring system- performance of a CHANNEL FUNCTIONAL TEST at least once per 31 days and a CHANNEL CALIBRATION at least once per 18 months.

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