3.13 SECONDARY COOLANT SYSTEM ACTIVITY

Applicability

Applies to the limiting conditions for operation when reactor coolant system pressure is greater than 300 psig or T_{avg} is greater than 200°F.

Objective

To limit the inventory of activity in the secondary system.

Specification

3.13.1 The specific activity of the secondary coolant system shall be $\leq$ 0.10 μ Ci/gram DOSE EQUIVALENT I-131.

3.13.2 With the specific activity of the secondary coolant system > 0.10μ Ci/gram DOSE EQUIVALENT I-131, be in at least HOT STANDBY within 6 hours and in COLD SHUTDOWN within the following 30 hours.

Bases

The limitations on secondary system specific activity ensure that the resultant off-site radiation dose will be limited to a small fraction of 10 CFR Part 100 limits in the event of a steam line rupture. This dose includes the effects of a coincident 1.0 GPM primary-to-secondary tube leak in the steam generator of the affected steam line.

TABLE 4.1-3 Cont'd.

	Item	Check	Frequency
4.	Spent Fuel Pool Water Sample	Boron concentration	Monthly and after each makeup
5.	Secondary Coolant System Activity	Isotopic analysis for DOSE EQUIVALENT I-131 concentration	At least once per 72 hours when reactor coolant system pressure is greater than 300 psig or Tav is greater than 200°F
6.	Boric Acid Mix Tank or Reclaimed Boric Acid Tank	Boron concentration	Twice weekly***
7.	Deleted		
8.	Deleted		
9.	Deleted		
10.	Sodium Hydroxide Tank	Concentration	Quarterly and after each makeup
11.	Deleted		
12.	Deleted		

Until the specific activity of the primary coolant system is restored within its limits.

* Sample to be taken after a minimum of 2 EFPD and 20 days of POWER OPERATION have elapsed since the reactor was last subscritical for 48 hours or longer.

** Deleted.

*** The surveillance of either the Boric Acid Mix Tank or the Reclaimed Boric Acid Tank is not necessary when that respective tank is empty.