

Attachment B

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PLANT SYSTEMS

STEAM GENERATOR 10% ATMOSPHERIC DUMP VALVES

LIMITING CONDITION FOR OPERATION

3.7.1.6 Four steam generator 10% atmospheric dump valves (ADV) with the associated block valves open and associated remote manual controls, including the backup air bottles, shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3. (Cycle 5 and after)

ACTION:

- a. With one less than the required number of 10% ADVs OPERABLE, restore the inoperable steam generator 10% ADV to OPERABLE status within 7 days; or be in at least HOT STANDBY within the next 6 hours and in HOT SHUTDOWN within the following 6 hours.
- b. With two less than the required numbered of 10% ADVs OPERABLE, restore at least one of the inoperable steam generator 10% ADVs to OPERABLE status within 72 hours; or be in at least HOT STANDBY within the next 6 hours and in HOT SHUTDOWN within the following 6 hours.

SURVEILLANCE REQUIREMENTS

4.7.1.6 Each steam generator 10% ADV, associated block valve and associated remote manual controls including the backup air bottles shall be demonstrated OPERABLE:

- a. At least once per 24 hours by verifying that the backup air bottle for each steam generator 10% ADV has a pressure greater than or equal to 260 psig, and
- b. At least once per 31 days by verifying that the steam generator 10% ADV block valves are open, and
- c. At least once per 18 months by verifying that all steam generator 10% ADVs will operate using the remote manual controls and the backup air bottles.



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PLANT SYSTEMS

BASES

3/4.7.1.6 STEAM GENERATOR 10% ATMOSPHERIC DUMP VALVES

The Limiting Condition for Operation requirement of four steam generator 10% atmospheric dump valves (ADV) (PCV-19, PCV-20, PCV-21, and PCV-22) ensures that following a steam generator tube rupture accident subcooling can be achieved, consistent with assumptions used in the steam generator tube rupture analysis, to facilitate equalizing pressures between the Reactor Coolant System and the faulted steam generator. This eliminates further primary to secondary leakage and potential subsequent overfill of the affected steam generator. The analysis assumes that the 10% ADV on the ruptured steam generator is not used, and that the other three 10% ADVs are used for heat removal. The surveillance requirement for the 10% ADVs backup air bottles ensures that the 10% ADVs will be available to mitigate the consequences of a steam generator tube rupture accident concurrent with loss of offsite power.

A backup air bottle pressure of 260 psig provides adequate air to operate as assumed in the analysis. This provides sufficient margin to allow cooldown consistent with the analysis assumptions.

Concurrent with requirement that a specific number of 10% ADVs be OPERABLE is the requirement that the associated 10% ADV block valves upstream be open. Should an associated 10% ADV block valve be closed, the 10% ADV downstream of that block valve should also be considered inoperable and the applicable ACTION statement shall be entered until such time that the block valve is opened.

Additionally, the requirements of Technical Specification 3.6.3, Containment Isolation Valves, apply to the 10% ADVs.

The Technical Specification is applicable in plant operational Modes 1, 2, and 3 because the 10% ADV's are required to provide the subcooling as necessary to permit primary system depressurization for SGTR accident mitigation.



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