

SAMPLE SURVEILLANCE TECHNICAL SPECIFICATIONS FOR

PWR HPSI AND LPSI SYSTEM THROTTLE VALVE STOPS

1. The correct position of each electrical and/or mechanical position stop for the following throttle valves shall be verified:
 - a. Within 4 hours following completion of each valve stroking operation or maintenance on the valve when the HPSI or LPSI System is required to be operable.
 - b. At least once per 18 months.

HPSI System

LPSI System

Valve Number

Valve Number

1. _____
 2. _____
 3. _____
 4. _____
 5. _____

1. _____
 2. _____
 3. _____
 4. _____
 5. _____

2. A flow balance test shall be performed during shutdown to confirm the following minimum injection flow rates following completion of HPSI or LPSI system modifications that alter system flow characteristics:

HPSI System - Single Pump

LPSI System - Single Pump

Injection Leg _____ > _____ gpm
 Injection Leg _____ > _____ gpm
 Injection Leg _____ > _____ gpm
 Injection Leg _____ > _____ gpm

Injection Leg _____ > _____ gpm
 Injection Leg _____ > _____ gpm
 Injection Leg _____ > _____ gpm
 Injection Leg _____ > _____ gpm

Bases

The purpose of these surveillance requirements is to provide assurance that proper ECCS flows will be maintained in the event of a LOCA. Maintenance of proper flow resistance and pressure drop in the piping system to each injection point is necessary to: (1) prevent total pump flow from exceeding runout conditions when the system is in its minimum resistance configuration, (2) provide the proper flow split between injection points in accordance with the assumptions used in the ECCS-LOCA analyses, and (3) provide an acceptable level of total ECCS flow to all injection points equal to or above that assumed in the ECCS-LOCA analyses.

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