

Docket No. 50-423

B13690

Attachment 1

Millstone Nuclear Power Station, Unit No. 3
Proposed Revision to Technical Specifications

Hydrogen Recombiner
Surveillance Requirements

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LIMITING CONDITIONS FOR OPERATION AND SURVEILLANCE REQUIREMENTS

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CONTAINMENT SYSTEMS

ELECTRIC HYDROGEN RECOMBINERS

LIMITING CONDITION FOR OPERATION

3.6.4.2 Two independent Hydrogen Recombiner Systems shall be OPERABLE.

APPLICABILITY: MODES 1 and 2.

ACTION:

With one Hydrogen Recombiner System inoperable, restore the inoperable system to OPERABLE status within 30 days or be in at least HOT STANDBY within the next 6 hours.

SURVEILLANCE REQUIREMENTS

4.6.4.2 Each Hydrogen Recombiner System shall be demonstrated OPERABLE:

- a. At least once per 6 months by verifying during a Hydrogen Recombiner System functional test that the minimum reaction chamber gas temperature increases to greater than or equal to 700°F within 90 minutes and is maintained for at least 2 hours and that the purge blower operates for 15 minutes.
- b. At least once per 18 months by:
 - 1) Performing a CHANNEL CALIBRATION of all recombinder instrumentation and control circuits,
 - 2) Verifying through a visual examination of all external recombinder electrical connections that there is no evidence of abnormal conditions (i.e., loose wiring, or structural connections, deposits of foreign material, etc.)
 - 3) Verifying the integrity of all heater electrical circuits by performing a resistance to ground test following the above required functional test. The resistance to ground for any heater phase shall be greater than 10,000 ohms, and
 - 4) Verifying during a recombinder system functional test using containment atmospheric air at normal system flow rates, that the gas temperature increases to greater than or equal to 1100°F within 5 hours and is maintained for at least 4 hours.
 - 5) Verifying during a recombinder system functional test using containment atmospheric air that the blower is capable of delivering greater than or equal to 40.5 scfm at a containment pressure of 11.28 psia.

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