

Docket No. 50-423
B13794

Attachment 1
Millstone Nuclear Power Station, Unit No. 3
Proposed Technical Specification Change
Hydrogen Recombiners

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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 recombiner instrumentation and control circuits,
 - 2) Verifying through a visual examination that there is no evidence of abnormal conditions within the recombiner enclosure (i.e., loose wiring or structural connections, deposits of foreign materials, 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 recombiner system functional test using containment atmospheric air at a flow rate of greater than or equal to 70 scfm at a containment temperature of greater than or equal to 55°F and a containment pressure of less than or equal to 15 psia, that the gas temperature increases to greater than or equal to 1100°F within 5 hours and is maintained for at least 4 hours.

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