CONTAINMENT SYSTEMS

ELECTRIC HYDROGEN RECOMBINERS

LIMITING CONDITION FOR OPERATION

3.6.4.2 Two separate and independent containment hydrogen recombiner systems (shared with Unit 2) shall be OPERABLE.

APPLICABILITY: MODES 1 and 2.

ACTION:

a. 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.

b. The provisions of Specification 3.0.4 are not applicable.

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 recombiner system functional test that the minimum heater sheath temperature increases to ≥ 700°F within 90 minutes and is maintained for at least 2 hours and that each 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 (i.e., loose wiring or structural connections, deposits of foreign materials, etc.).

3. Verifying during a recombiner system functional test using containment atmospheric air at a flow rate of ≥ 50 scfm, that the heater temperature increases to ≥ 1100°F within 5 hours and is maintained for at least 4 hours.

4. Verifying the integrity of all heater electrical circuits by performing a continuity and resistance to ground test following the above required functional test. The resistance to ground for any heater phase shall be ≥ 10,000 ohms.

ATTACHMENT 2

DISCUSSION OF PROPOSED TECHNICAL SPECIFICATION CHANGE

The proposed Technical Specification change to Technical Specification 3.6.4.2 is to add an ACTION statement to make the provisions of Technical Specification 3.0.4 not applicable.

The proposed change will allow one electric hydrogen recombiner to be inoperable and still allow the unit to change operational modes while within the 30 day action statement. North Anna 1 and 2 have a shared electric hydrogen recombiner system with two electric hydrogen recombiners. A second hydrogen recombiner which is shared is available in the event of an accident.

This proposed change is needed to provide consistency between the North Anna 1 and 2 Technical Specifications.

This proposed change does not pose a significant hazards consideration as stated in the Federal Register dated April 6, 1983, Page 14870, Example (vii); a change to make a license conform to changes in the regulations, where the license change results in very minor changes to facility operation clearly keeping within regulations. Enabling one electric hydrogen recombiner to be inoperable and still allowing the unit to change operational modes while within the action statement, does not reduce the margin of safety. A shared electric hydrogen recombiner will be used in the event of an accident. When North Anna 2 received the full power operating license, this action statement was added. This shows that the change was clearly within regulations.

This proposed Technical Specification change is also administrative in nature. This proposed change does not pose a significant hazards consideration as stated in the Federal Register, dated April 6, 1983, Page 14870, Example (i); a administrative change to the Technical Specifications to change and achieve consistency in the Technical Specifications. This proposed change is also to provide consistency between the North Anna 1 and 2 Technical Specifications.

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