DUKE POWER COMPANY

OCONEE NUCLEAR STATION

ATTACHMENT 1

REVISED BASES

REMOVE PAGES	INSERT PAGES
3.16-2	3.16-2

3.16.3 Components in the Containment Hydrogen Control Systems' flow path shall be operable on each Oconee unit with the following exceptions.

a. If the flow path is inoperable it shall be restored to operable status within 7 days.

b. If an inoperable flow path is not restored to operable status within 7 days, then the affected unit shall be at hot shutdown within the next 12 hours and at cold shutdown within an additional 24 hours.(1)

Bases

The Containment Hydrogen Control Systems are required at approximately 7 days following a LOCA to limit hydrogen concentration to 4.0 percent by volume.

The Containment Hydrogen Recombiner System is utilized as the primary method to maintain the post-accident containment atmosphere hydrogen concentration below its lower flammability limit of 4.0 percent by volume. The Containment Hydrogen Recombiner System includes a portable hydrogen recombiner which will be moved to the affected unit following a LOCA, anchored to its foundation, and connected to piping penetrations. Also included is a portable control panel, which will be locally mounted near the recombiner, anchored to its foundation and connected to its motor control center and the recombiner.

Even though the Reactor Building Hydrogen Purge System (RBHPS) is credited in this specification as an acceptable backup hydrogen control method to the Containment Hydrogen Recombiner System (CHRS), conservatively calculated dose rates around the purge/filter make operation of the system during a design basis accident impractical. For this reason, credit will not be taken for the RBHPS as the backup hydrogen control method.

Reference

FSAR, Section 15.16

(1) A one-time allowable outage time of fourteen (14) days is granted for installation of a modification to provide drainage for moisture which may accumulate in the Containment Hydrogen Recombiner System piping.

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ATTACHMENT 2

MARKUP OF EXISTING BASES

3.16.3 Components in the Containment Hydrogen Control Systems' flow path shall be operable on each Oconee unit with the following exceptions.

a. If the flow path is inoperable it shall be restored to operable status within 7 days.

b. If an inoperable flow path is not restored to operable status within 7 days, then the affected unit shall be at hot shutdown within the next 12 hours and at cold shutdown within an additional 24 hours. (1)

Bases

The Containment Hydrogen Control Systems are required at approximately ~~460 hours (19.2 days)~~ 7 days following a LOCA to limit hydrogen concentration to ~~4.1~~ 4.0 percent by volume.

The Containment Hydrogen Recombiner System is utilized ~~as the primary method~~ to maintain the post-accident containment atmosphere hydrogen concentration below its lower flammability limit of ~~4.1~~ 4.0 percent by volume. The Containment Hydrogen Recombiner System includes a portable hydrogen recombiner which will be moved to the affected unit following a LOCA, anchored to its foundation, and connected to piping penetrations. Also included is a portable control panel, which will be locally mounted near the recombiner, anchored to its foundation and connected to its motor control center and the recombiner.

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~~The Reactor Building Hydrogen Purge System is composed of a portable purging station and a portion of the Penetration Room Ventilation System. The purge system is operated as necessary (if the Containment Hydrogen Recombiner System is inoperable) to maintain the hydrogen concentration below the control limit.~~

~~The Containment Hydrogen Recombiner System is the preferable method of post- accident hydrogen control since it produces no radioactive gaseous release to the atmosphere. Therefore, the Containment Hydrogen Recombiner System will be utilized as the primary method to control the containment hydrogen concentration below 4.1 percent by volume.~~

Reference

FSAR, Section 15.16

(1) A one-time allowable outage time of fourteen (14) days is granted for installation of a modification to provide drainage for moisture which may accumulate in the Containment Hydrogen Recombiner System piping.

Insert ①

Even though the Reactor Building Hydrogen Purge System (RBHPS) is credited in this specification as an acceptable backup hydrogen control method to the Containment Hydrogen Recombiner System (CHRS), conservatively calculated dose rates around the purge filter/cart make operation of the system during a design basis accident impractical. For this reason, credit will not be taken for the RBHPS as backup hydrogen control method.