ATTACHMENT 1

Consumers Power Company
Palisades Plant
Docket 50-255

REMOVAL OF HYDRAZINE TANK TECHNICAL SPECIFICATIONS

Proposed Pages

June 12, 1992

2 Pages

3.19 IODINE REMOVAL SYSTEM

Specification:

3.19 The Iodine Removal System shall be OPERABLE with:

a. The Sodium Hydroxide Tank (T-103) containing a minimum 4,200 ± 300 gallons of 30.0 ± 0.5 percent by weight sodium hydroxide solution.

b. T-103 capable of supplying sodium hydroxide solution to the containment spray pump suction headers.

Applicability

Specification 3.19 is applicable during POWER OPERATION.

Action

With the Iodine Removal System inoperable:

a. Restore the system to operable status within 72 hours, or

b. Be in HOT SHUTDOWN within the next 48 hours.

Bases

The Iodine Removal System acts in conjunction with the containment spray system to reduce the post-accident level of fission products in the containment atmosphere. Sodium Hydroxide is added to the recirculated water after a LOCA to establish a neutral pH.

References

FSAR, Section 6.4.
FSAR, Section 14.22.

Table 4.2.2 (Contd)

Minimum Frequencies for Equipment Tests

12. Iodine Removal System

The Iodine Removal System shall be demonstrated operable:

a. At least once per 31 days by verifying that each valve (manual, power operated or automatic) in the flow path that is not locked, sealed or otherwise secured in position, is in its correct position.

b. At least once per 6 months by:

1. Verifying the volume of sodium hydroxide in tank T-103.

2. Verifying the concentration of sodium hydroxide in T-103.

13. Containment Purge and Ventilation Isolation Valves

The Containment Purge and Ventilation Isolation Valves shall be determined closed:

a. At least once per 24 hours by checking the valve position indicator in the control room

b. At least once every 6 months by performing a leak rate test between the valves.

ATTACHMENT 2

Consumers Power Company
Palisades Plant
Docket 50-255

REMOVAL OF HYDRAZINE TANK TECHNICAL SPECIFICATIONS

Existing Pages Marked to Show Change

June 12, 1992

2 Pages

3.19 IODINE REMOVAL SYSTEM

~~Applicability~~
~~Applies to the operational status of the Iodine Removal System~~

~~Objective~~
~~To define those conditions when it is necessary to have the Iodine Removal System operable.~~

Specification:

3.19~~.1~~ ~~During power operation~~ the Iodine Removal System shall be operable with:

~~a. The Iodine Removal Hydrazine Tank (T-102) containing 270 ± 17 gallons of 15.5 ± 0.5 percent by weight of hydrazine solution with a cover gas pressure of 11.2 ± 2 psig.~~

~~b~~a. The ~~Iodine Removal Make Up~~ Sodium Hydroxide Tank (T-103) containing a minimum 4,200 ± 300 gallons of 30.0 ± 0.5 percent by weight sodium hydroxide solution.

c. ~~T-102 capable of supplying hydrazine solution to the water from the SIRW tank (T-58) and~~ T-103 capable of supplying sodium hydroxide solution to the suction header of the containment spray pumps ~~between the containment sump and the spray and injection pumps~~.

Applicability
Specification 3.19 is applicable during POWER OPERATION.

Action
~~d.~~ With the Iodine Removal System inoperable,

a. restore the system to operable status within 72 hours, or

b. be in hot shutdown condition within the next 48 hours ~~until operable status is achieved~~.

Bases
The Iodine Removal System acts in conjunction with the containment spray system to reduce the post-accident level of fission products in the containment atmosphere. ~~Hydrazine is added to the water from the SIRW tank after a LOCA to provide for iodine retention.~~ Sodium Hydroxide is added to the recirculated water after a LOCA to establish a neutral pH.

References
FSAR, Section 6.4.
FSAR, Section 14.22.
~~Consumers Power Company Report, "Palisades Plant Iodine Removal System, Evaluation," December 1977.~~
~~Consumers Power Company Report, "A Hydraulic Evaluation of the Proposed Modification to the Hydrazine Injection System at the Palisades Plant," March 6, 1978.~~

Table 4.2.2 (Contd)

Minimum Frequencies for Equipment Tests

12. Iodine Removal System

The Iodine Removal System shall be demonstrated operable:

a. At least once per 31 days by verifying that each valve (manual, power operated or automatic) in the flow path, that is not locked, sealed or otherwise secured in position, is in its correct position.

b. At least once per 6 months by:

1. Verifying that tanks ~~T-102 and~~ T-103 contains the minimum required volumes~~.~~

2. Verifying the concentration of ~~hydrazine in T-102 and~~ sodium hydroxide in T-103.

~~c. At least once per refueling cycle, during shutdown, by verifying that each automatic valve in the flow path actuates to its correct position.~~

13. Containment Purge and Ventilation Isolation Valves

The Containment Purge and Ventilation Isolation Valves shall be determined closed:

a. At least once per 24 hours by checking the valve position indicator in the control room

b. At least once every 6 months by performing a leak rate test between the valves.

Amendment ~~81~~, ~~90~~
~~August 26, 1985~~