

Docket No. 50-336

Attachment

Millstone Nuclear Power Station, Unit No. 2
Proposed Revisions to Technical Specifications

Boric Acid Flow Path Requirements

September, 1982

821006023B 820924
PDR ADOCK 05000336
P PDR

STATE OF CONNECTICUT)
) ss. Berlin
COUNTY OF HARTFORD)

Sept. 24, 1982

Then personally appeared before me W. G. Council, who being duly sworn, did state that he is Senior Vice President of Northeast Nuclear Energy Company, a Licensee herein, that he is authorized to execute and file the foregoing information in the name and on behalf of the Licensees herein and that the statements contained in said information are true and correct to the best of his knowledge and belief.

Sheila M. Cates

Notary Public

My Commission Expires March 31, 1986

REACTIVITY CONTROL SYSTEMS

FLOW PATHS - OPERATING

LIMITING CONDITION FOR OPERATION

3.1.2.2.1 Two flow paths from the boric acid storage tanks via either a boric acid pump or gravity feed connection, and a charging pump to the Reactor Coolant System and one associated heat tracing circuit shall be OPERABLE.

APPLICABILITY: Modes 1, 2 and 3*

ACTION:

With only one of the above required boron injection flow paths to the Reactor Coolant System OPERABLE, restore at least two boron injection flow paths to the Reactor Coolant System to OPERABLE status within 48 hours or make the reactor subcritical within the next 2 hours, borate to a SHUTDOWN MARGIN equivalent to at least 1% $\Delta k/k$ at 200°F; and restore at least two flow paths to OPERABLE status within the next 7 days or be in COLD SHUTDOWN within the next 36 hours.

3.1.2.2.2 At least two of the following three boron injection flow paths and one associated heat tracing circuit shall be OPERABLE:

- a. Two flow paths from the boric acid storage tanks via either a boric acid pump or a gravity feed connection and a charging pump to the Reactor Coolant system and
- b. The flow path from the refueling water storage tank via a charging pump to the Reactor Coolant System.

APPLICABILITY: MODES 3# and 4.

ACTION:

With only one of the above required boron injection flow paths to the Reactor Coolant System OPERABLE, restore at least two boron injection flow paths to the Reactor Coolant System to OPERABLE status within 48 hours or borate to a SHUTDOWN MARGIN equivalent to at least 1% $\Delta k/k$ at 200°F; and restore at least two flow paths to OPERABLE status within the next 7 days or be in COLD SHUTDOWN within the next 36 hours.

* With pressurizer pressure \geq 1750 PSIA

With pressurizer pressure less than 1750 PSIA

SURVEILLANCE REQUIREMENTS

- 4.1.2.2 The two required flow paths shall be demonstrated OPERABLE:
- a. At least once per 7 days by:
 1. Exercising all testable power operated valves in each flow path through at least one complete cycle,
 2. Verifying that the temperature of the heat traced portion of the flow path from the concentrated boric acid tanks is above the temperature limit line shown on Figure 3.1-1,
 - b. At least once per 31 days by verifying the correct position of all manually operated valves in the boron injection flow path not locked, sealed or otherwise secured in position and
 - c. At least once per 18 months, during shutdown, by exercising all power operated valves in each flow path through at least one complete cycle.