

Docket No. 50-336

Attachment

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

Boric Acid Flow Path Requirements

September, 1982

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## REACTIVITY CONTROL SYSTEMS

### FLOW PATHS - OPERATING

#### LIMITING CONDITION FOR OPERATION

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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.

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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

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- 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.