

Docket No. 50-336  
B15371

Attachment 3

Millstone Nuclear Power Station, Unit No. 2  
Proposed Revision to Technical Specifications  
Pressurizer and Main Steam Safety Valves  
Marked-up Pages

September 1995

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REACTOR COOLANT SYSTEMSAFETY VALVESLIMITING CONDITION FOR OPERATION

3.4.2.1 A minimum of one pressurizer code safety valve shall be OPERABLE with a lift setting of 2500 PSIA  $\pm 1\%$ .  $\pm 3\%^{**}$

APPLICABILITY: MODE 4 when the temperature of any RCS cold leg is greater than 275°F.

ACTION:

With no pressurizer code safety valve OPERABLE, immediately suspend all operations involving positive reactivity changes and place an OPERABLE shutdown cooling loop into operation.

3.4.2.2 All pressurizer code safety valves shall be OPERABLE with a lift setting of 2500 PSIA  $\pm 1\%$ .  $\pm 3\%^{**}$

APPLICABILITY: MODES 1, 2 and 3.

ACTION:

With one pressurizer code safety valve inoperable, either restore the inoperable valve to OPERABLE status within 15 minutes or be in HOT SHUTDOWN within 12 hours.

SURVEILLANCE REQUIREMENTS

4.4.2 Each pressurizer code safety valve shall be demonstrated OPERABLE with a lift setting of 2500 PSIA  $\pm 1\%$ , in accordance with Specification 4.0.5.

\* The lift setting pressure shall correspond to ambient conditions of the valve(s) at NOMINAL OPERATING TEMPERATURE AND PRESSURE.

\*\* The lift setting shall be within  $\pm 1\%$  following Pressurizer code Safety Valve testing.

3/4.7 PLANT SYSTEMS

3.4.7.1 TURBINE CYCLE

SAFETY VALVES

LIMITING CONDITION FOR OPERATION

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3.7.1.1 All main steam line code safety valves shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

ACTION:

- a. With both reactor coolant loops and associated steam generators in operation and with one or more main steam line code safety valves inoperable, operation in MODES 1, 2, and 3 may proceed provided, that within 4 hours, either the inoperable valve is restored to OPERABLE status or the Power Level-High trip setpoint is reduced per Table 3.7-1; otherwise, be in at least HOT STANDBY within the next 6 hours and in COLD SHUTDOWN within the following 30 hours.

SURVEILLANCE REQUIREMENTS

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4.7.1.1 Each main steam line code safety valve shall be demonstrated OPERABLE, with lift settings ~~and orifice sizes~~ as shown in Table 4.7-1, in accordance with Specification 4.0.5.

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TABLE 4.7-1  
STEAM LINE SAFETY VALVES

MILLSTONE - UNIT 2  
0219

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VALVE NUMBERS

LIFT SETTING  $\pm 1\%$  <sup>±3% ±4</sup>

ORIFICE SIZE

- a. 2-MS-246 & 2-MS-247
- b. 2-MS-242 & 2-MS-254
- c. 2-MS-245 & 2-MS-249
- d. 2-MS-241 & 2-MS-252
- e. 2-MS-244 & 2-MS-251
- f. 2-MS-240 & 2-MS-250
- g. 2-MS-239, 2-MS-243,  
2-MS-248 & 2-MS-253

- 1000 psia
- 1005 psia
- 1015 psia
- 1025 psia
- 1035 psia
- 1045 psia
- 1050 psia

- 4.515 in.<sup>2</sup>
- 4.515 in.<sup>2</sup>
- 4.515 in.<sup>2</sup>
- 4.515 in.<sup>2</sup>
- 4.515 in.<sup>2</sup>
- 4.515 in.<sup>2</sup>
- 4.515 in.<sup>2</sup>

\* The lift setting pressure shall correspond to ambient conditions of the valve at nominal operating temperature and pressure.

\*\* The lift setting shall be within ±1% following main steam line code safety valve testing.

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Attachment 4

Millstone Nuclear Power Station, Unit No. 2  
Proposed Revision to Technical Specifications  
Pressurizer and Main Steam Safety Valves  
Retyped Pages

September 1995

## REACTOR COOLANT SYSTEM

### SAFETY VALVES

#### LIMITING CONDITION FOR OPERATION

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3.4.2.1 A minimum of one pressurizer code safety valve shall be OPERABLE with a lift setting\* of 2500 PSIA  $\pm$  3%.\*\*

APPLICABILITY: MODE 4 when the temperature of any PCS cold leg is greater than 275°F.

#### ACTION:

With no pressurizer code safety valve OPERABLE, immediately suspend all operations involving positive reactivity changes and place an OPERABLE shutdown cooling loop into operation.

3.4.2.2 All pressurizer code safety valves shall be OPERABLE with a lift setting\* of 2500 PSIA  $\pm$  3%.\*\*

APPLICABILITY: MODES 1, 2 and 3.

#### ACTION:

With one pressurizer code safety valve inoperable, either restore the inoperable valve to OPERABLE status within 15 minutes or be in HOT SHUTDOWN within 12 hours.

#### SURVEILLANCE REQUIREMENTS

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4.4.2 Each pressurizer code safety valve shall be demonstrated OPERABLE with a lift setting of 2500 PSIA  $\pm$  1%, in accordance with Specification 4.0.5.

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\* The lift setting pressure shall correspond to ambient conditions of the valve(s) at nominal operating temperature and pressure.

\*\* The lift setting shall be within  $\pm$  1% following pressurizer code safety valve testing.

### 3/4.7 PLANT SYSTEMS

#### 3.4.7.1 TURBINE CYCLE

##### SAFETY VALVES

##### LIMITING CONDITION FOR OPERATION

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3.7.1.1 All main steam line code safety valves shall be OPERABLE.

APPLICABILITY: MODES 1, 2, and 3.

ACTION:

- a. With both reactor coolant loops and associated steam generators in operation and with one or more main steam line code safety valves inoperable, operation in MODES 1, 2, and 3 may proceed provided, that within 4 hours, either the inoperable valve is restored to OPERABLE status or the Power Level-High trip setpoint is reduced per Table 3.7-1; otherwise, be in at least HOT STANDBY within the next 6 hours and in HOT SHUTDOWN within the following 12 hours.

##### SURVEILLANCE REQUIREMENTS

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4.7.1.1 Each main steam line code safety valve shall be demonstrated OPERABLE, with lift settings as shown in Table 4.7-1, in accordance with Specification 4.0.5.

TABLE 4.7-1  
STEAM LINE SAFETY VALVES

<u>VALVE NUMBERS</u>	<u>LIFT SETTING* (<math>\pm 3\%</math>)**</u>
a. 2-MS-246 & 2-MS-247	1000 psia
b. 2-MS-242 & 2-MS-254	1005 psia
c. 2-MS-245 & 2-MS-249	1015 psia
d. 2-MS-241 & 2-MS-252	1025 psia
e. 2-MS-244 & 2-MS-251	1035 psia
f. 2-MS-240 & 2-MS-250	1045 psia
g. 2-MS-239, 2-MS-243, 2-MS-248 & 2-MS-253	1050 psia

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\* The lift setting pressure shall correspond to ambient conditions of the valve at nominal operating temperature and pressure.

\*\* The lift setting shall be within  $\pm 1\%$  following main steam line code safety valve testing.