NPF-10/15/418

ATTACHMENT A

PROPOSED SPECIFICATION

UNIT 2

3/4.7.3.1 COMPONENT COOLING WATER SAFETY RELATED MAKEUP SYSTEM

LIMITING CONDITION FOR OPERATION

3.7.3.1 Two trains of Component Cooling Water (CCW) Safety Related Makeup System shall be OPERABLE with a contained volume in the Primary Plant Makeup Storage Tank at or above the level specified in Figure 3.7-2.

APPLICABILITY: MODES 1,2,3, and 4.

ACTION:

a. With one CCW Safety Related Makeup flow path inoperable, restore the flow path to OPERABLE status within 7 days.

b. With the Primary Plant Makeup Storage Tank level less than that required by Figure 3.7-2, and/or both CCW Safety Related Makeup flow paths inoperable, restore the Primary Plant Makeup Storage Tank level and one CCW Safety Related Makeup flow path to OPERABLE status within 8 hours.

c. With Actions a or b, above, not completed in the specified action times, be in HOT STANDBY within the next 6 hours, and be in COLD SHUTDOWN within the following 24 hours.

d. The provisions of Specification 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.7.3.1.1 The Primary Plant Makeup Storage Tank shall be demonstrated OPERABLE at least once per 7 days by verifying the contained water volume is within its limits.

4.7.3.1.2 Each CCW Safety Related Makeup flow path shall be demonstrated OPERABLE at least once per 92 days by testing the CCW makeup pumps pursuant to Specification 4.0.5.

4.7.3.1.3 Measure CCW leakage at least once per refueling interval.

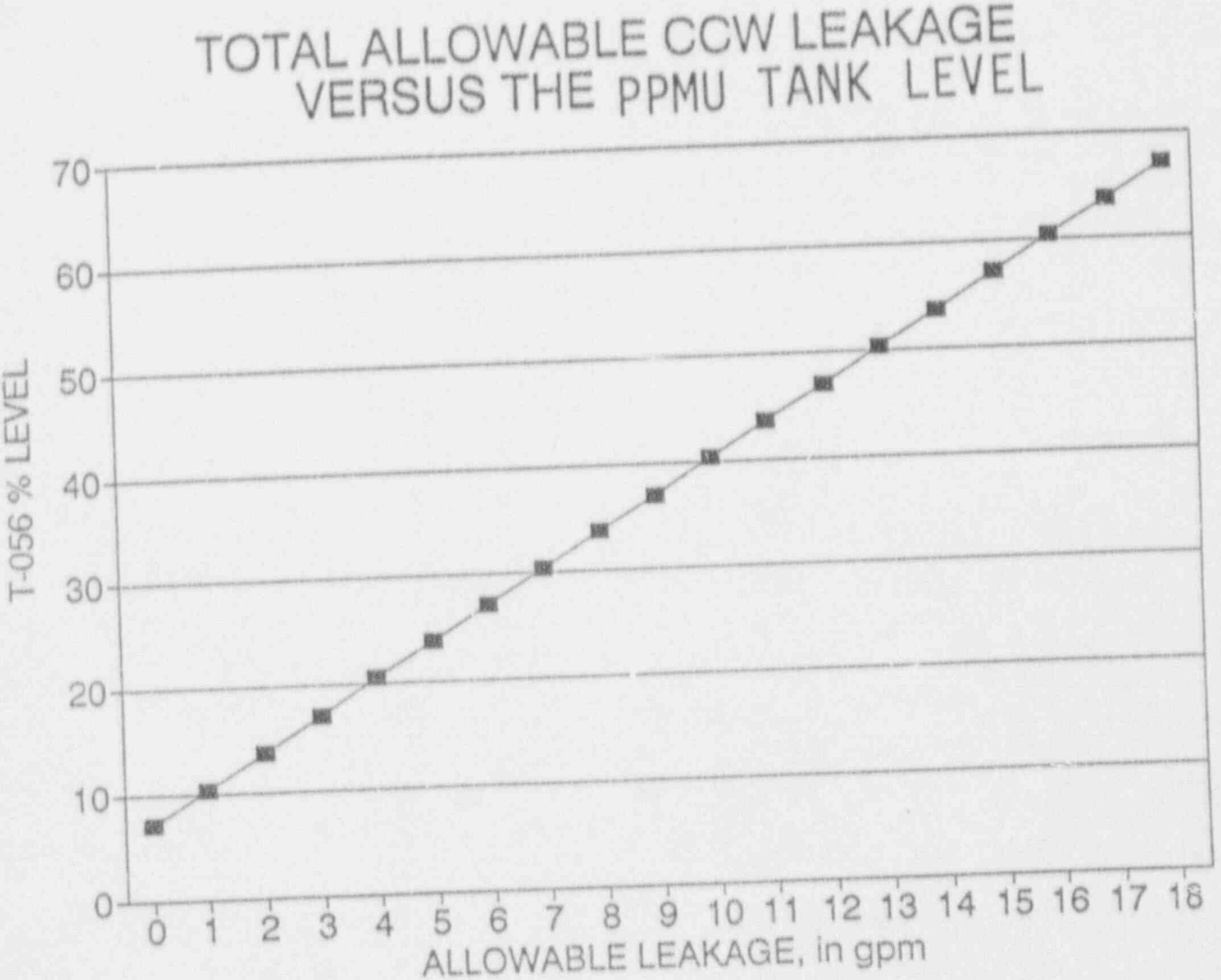
TOTAL ALLOWABLE CCW LEAKAGE
VERSUS THE PPMU TANK LEVEL
T-056 % LEVEL
70
60
50
40
30
20
10
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
ALLOWABLE LEAKAGE, in gpm

Figure 3.7-2

BASES

3/4.7.3.1 COMPONENT COOLING WATER SAFETY RELATED MAKEUP SYSTEM

The purpose of the Component Cooling Water Safety Related Makeup System is to provide a safety related, seismically qualified water supply to the CCW following a Design Basis Event.

The Component Cooling Water Safety Related Makeup System for each Unit consists of one Primary Plant Makeup Storage Tank (PPMU Tank) and two makeup flow paths, each supplying the associated CCW critical loop. Each flow path incorporates one 100% capacity pump and associated remote manually operated valves. Tank T-056 is dedicated to Unit 2 and T-055 is dedicated to Unit 3.

For any point on the curve in Figure 3.7-2, the required water level is based on the associated leak rate from the CCW system, an unrecoverable volume and a level instrumentation Total Loop Uncertainty (TLU). For example, a leak rate of 18 gpm for seven days corresponds to a volume of 181,440 gallons. If the TLU and the unrecoverable volume are added to this, the total is 203,100 gallons. Dividing this number by the total tank volume of 303,500 gallons yields 67%.

A CCW Safety Related Makeup System is required to compensate for CCW System leakage out of the CCW system over a period of seven days after Design Basis Event. This seven days requirement is consistent with Standard Review Plan, Section 9.2.2.

Action b includes the following three circumstances:

1. PPMU Tank level is less than that required by Figure 3.7-2,

2. Both CCW Safety Related Makeup flow paths are inoperable, and

3. Both circumstances 1 and 2, above, occur concurrently.

NPF-10/15/418

ATTACHMENT B

PROPOSED SPECIFICATION

UNIT 3

3/4.7.3.1 COMPONENT COOLING WATER SAFETY RELATED MAKEUP SYSTEM

LIMITING CONDITION FOR OPERATION

3.7.3.1 Two trains of Component Cooling Water (CCW) Safety Related Makeup System shall be OPERABLE with a contained volume in the Primary Plant Makeup Storage Tank at or above the level specified in Figure 3.7-2.

APPLICABILITY: MODES 1,2,3, and 4.

ACTION:

a. With one CCW Safety Related Makeup flow path inoperable, restore the flow path to OPERABLE status within 7 days.

b. With the Primary Plant Makeup Storage Tank level less than that required by Figure 3.7-2, and/or both CCW Safety Related Makeup flow paths inoperable, restore the Primary Plant Makeup Storage Tank level and one CCW Safety Related Makeup flow path to OPERABLE status within 8 hours.

c. With Actions a or b, above, not completed in the specified action times, be in HOT STANDBY within the next 6 hours, and be in COLD SHUTDOWN within the following 24 hours.

d. The provisions of Specification 3.0.4 are not applicable.

SURVEILLANCE REQUIREMENTS

4.7.3.1.1 The Primary Plant Makeup Storage Tank shall be demonstrated OPERABLE at least once per 7 days by verifying the contained water volume is within its limits.

4.7.3.1.2 Each CCW Safety Related Makeup flow path shall be demonstrated OPERABLE at least once per 92 days by testing the CCW makeup pumps pursuant to Specification 4.0.5.

4.7.3.1.3 Measure CCW leakage at least once per refueling interval.

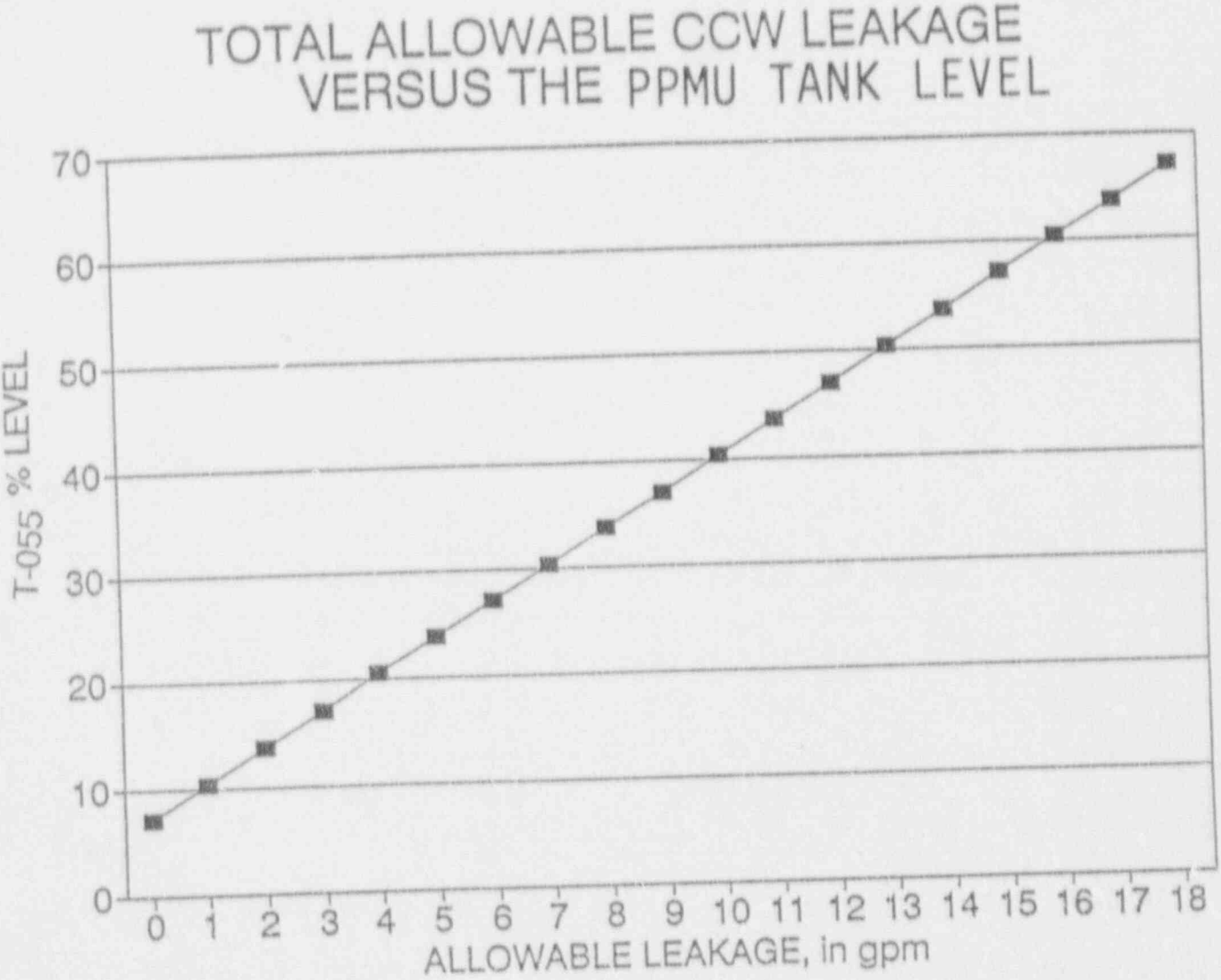
TOTAL ALLOWABLE CCW LEAKAGE
VERSUS THE PPMU TANK LEVEL
T-055 % LEVEL
70
60
50
40
30
20
10
0
0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18
ALLOWABLE LEAKAGE, in gpm

Figure 3.7-2

BASES

3/4.7.3.1 COMPONENT COOLING WATER SAFETY RELATED MAKEUP SYSTEM

The purpose of the Component Cooling Water Safety Related Makeup System is to provide a safety related, seismically qualified water supply to the CCW following a Design Basis Event.

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A CCW Safety Related Makeup System is required to compensate for CCW System leakage out of the CCW system over a period of seven days after Design Basis Event. This seven days requirement is consistent with Standard Review Plan, Section 9.2.2.

Action b includes the following three circumstances:

1. PPMU Tank level is less than that required by Figure 3.7-2,

2. Both CCW Safety Related Makeup flow paths are inoperable, and

3. Both circumstances 1 and 2, above, occur concurrently.