

United States Nuclear Regulatory Commission  
Attachment III to Serial: RNP-RA/98-0122  
5 Pages

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

REQUEST FOR TECHNICAL SPECIFICATIONS CHANGE  
ULTIMATE HEAT SINK

MARKUP OF CURRENT TECHNICAL SPECIFICATIONS  
AND BASES PAGES

### 3.7 PLANT SYSTEMS

#### 3.7.8 Ultimate Heat Sink (UHS)

LCO 3.7.8 The UHS shall be OPERABLE.

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

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
<del>A.</del> UHS inoperable. <div style="border: 1px solid black; padding: 2px; display: inline-block;">B.</div>	<del>A.1</del> Be in MODE 3.	6 hours
	AND <del>A.2</del> Be in MODE 5. <div style="border: 1px solid black; padding: 2px; display: inline-block;">B.1</div> <div style="border: 1px solid black; padding: 2px; display: inline-block; margin-left: 100px;">B.2</div>	36 hours

INSERT A

#### SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.7.8.1 Verify water level of UHS is $\geq$ 218 ft mean sea level.	24 hours
SR 3.7.8.2 Verify service water temperature is $\leq$ 95°F.	24 hours

INSERT A;

CONDITION		REQUIRED ACTION	COMPLETION TIME
A.	Service water temperature > 95°F.	A.1 Restore service water temperature to ≤ 95°F.	8 hours

## BASES

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### APPLICABLE SAFETY ANALYSES (continued)

The UHS satisfies Criterion 3 of the NRC Policy Statement.

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### LCO

The UHS is required to be OPERABLE and is considered OPERABLE if it contains a sufficient volume of water at or below the maximum temperature that would allow the SWS to operate for at least 22 days following the design basis LOCA without the loss of NPSH, and without exceeding the maximum design temperature of the equipment served by the SWS. To meet this condition, the UHS temperature should not exceed 95°F and the level should not fall below 218 ft MSL during normal unit operation.

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### APPLICABILITY

In MODES 1, 2, 3, and 4, the UHS is required to support the OPERABILITY of the equipment serviced by the UHS and required to be OPERABLE in these MODES.

In MODE 5 or 6, the OPERABILITY requirements of the UHS are determined by the systems it supports.

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### ACTIONS

~~A.1 and A.2~~

← INSERT B

If the UHS is inoperable, the unit must be placed in a MODE in which the LCO does not apply. To achieve this status, the unit must be placed in at least MODE 3 within 6 hours and in MODE 5 within 36 hours.

The allowed Completion Times are reasonable, based on operating experience, to reach the required unit conditions from full power conditions in an orderly manner and without challenging unit systems.

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### SURVEILLANCE REQUIREMENTS

SR 3.7.8.1

This SR verifies that adequate long term (22 day) cooling can be maintained. The specified level also ensures that sufficient NPSH is available to operate the SWS pumps. The

(continued)

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## INSERT B

### A.1

When service water temperature is greater than 95°F, it must be restored to  $\leq 95^{\circ}\text{F}$  within 8 hours. This Required Action is necessary to return operation to within the design basis of the Service Water System. The 8 hour Completion Time is acceptable considering the low probability of a Design Basis Accident occurring during this period and provides a reasonable likelihood for restoration of the LCO before requiring the plant to enter into a shutdown transient.

### B.1 and B.2

United States Nuclear Regulatory Commission

Attachment IV to Serial: RNP-RA/98-0122

4 Pages

H. B. ROBINSON STEAM ELECTRIC PLANT, UNIT NO. 2

REQUEST FOR TECHNICAL SPECIFICATIONS CHANGE  
ULTIMATE HEAT SINK

RETYPE TECHNICAL SPECIFICATIONS AND BASES

### 3.7 PLANT SYSTEMS

#### 3.7.8 Ultimate Heat Sink (UHS)

LC0 3.7.8 The UHS shall be OPERABLE.

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

#### ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. Service water temperature > 95°F.	A.1 Restore service water temperature to ≤ 95°F.	8 hours
B. Required Action and Completion Time of Condition A not met.  <u>OR</u>  UHS inoperable for reasons other than Condition A.	B.1 Be in MODE 3.  <u>AND</u>  B.2 Be in MODE 5.	6 hours   36 hours

#### SURVEILLANCE REQUIREMENTS

SURVEILLANCE	FREQUENCY
SR 3.7.8.1 Verify water level of UHS is ≥ 218 ft mean sea level.	24 hours
SR 3.7.8.2 Verify service water temperature is ≤ 95°F.	24 hours

BASES

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APPLICABLE  
SAFETY ANALYSES  
(continued)

The UHS satisfies Criterion 3 of the NRC Policy Statement.

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LCO

The UHS is required to be OPERABLE and is considered OPERABLE if it contains a sufficient volume of water at or below the maximum temperature that would allow the SWS to operate for at least 22 days following the design basis LOCA without the loss of NPSH, and without exceeding the maximum design temperature of the equipment served by the SWS. To meet this condition, the UHS temperature should not exceed 95°F and the level should not fall below 218 ft MSL during normal unit operation.

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APPLICABILITY

In MODES 1, 2, 3, and 4, the UHS is required to support the OPERABILITY of the equipment serviced by the UHS and required to be OPERABLE in these MODES.

In MODE 5 or 6, the OPERABILITY requirements of the UHS are determined by the systems it supports.

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ACTIONS

A.1

When service water temperature is greater than 95°F, it must be restored to  $\leq 95^{\circ}\text{F}$  within 8 hours. This Required Action is necessary to return operation to within the design basis of the Service Water System. The 8 hour Completion Time is acceptable considering the low probability of a Design Basis Accident occurring during this period and allows a reasonable time for diurnal effects to act upon the UHS.

B.1 and B.2

If the UHS is inoperable, the unit must be placed in a MODE in which the LCO does not apply. To achieve this status, the unit must be placed in at least MODE 3 within 6 hours and in MODE 5 within 36 hours.

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BASES

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ACTIONS

B.1 and B.2 (continued)

The allowed Completion Times are reasonable, based on operating experience, to reach the required unit conditions from full power conditions in an orderly manner and without challenging unit systems.

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SURVEILLANCE  
REQUIREMENTS

SR 3.7.8.1

This SR verifies that adequate long term (22 day) cooling can be maintained. The specified level also ensures that sufficient NPSH is available to operate the SWS pumps. The

(continued)

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