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TECHNICAL REQUIREMENTS MANUAL REVISION 10

ARKANSAS NUCLEAR ONE, UNIT NO. 2

Revise the following pages of the associated Technical Requirements Manual with the attached pages.

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REFUELING OPERATIONS

DECAY TIME AND SPENT FUEL STORAGE

LIMITING CONDITION FOR OPERATION

3.9.3 The total heat load in the SFP shall remain within the limits specified in Figure 3.9.3-1.

APPLICABILITY: During movement of irradiated fuel between the reactor pressure vessel and the spent fuel pool.

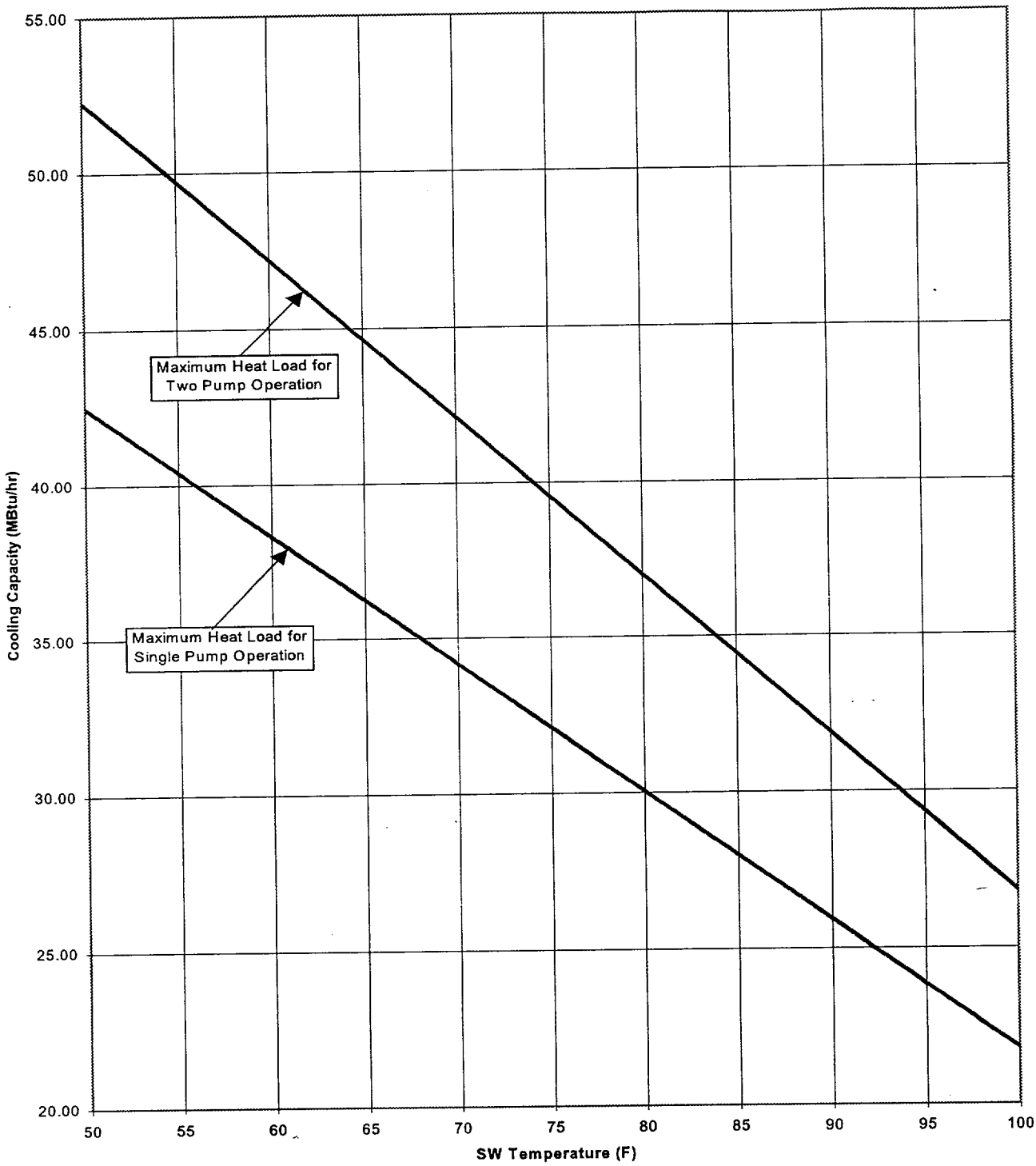
ACTION:

With the total heat load exceeding the requirements in Figure 3.9.3-1, or with no SFP cooling pump in operation, suspend all transfer of irradiated fuel to the SFP until the limits are restored.

SURVEILLANCE REQUIREMENTS

4.9.3 The total heat load in the pool shall be determined to be less than the limits specified in Figure 3.9.3-1.

Figure 3.9.3-1 Spent Fuel Pool Cooling Capacity



3/4.9.3 DECAY TIME

The total heat load in the SFP consists of the fuel currently stored in the pool and that to be transferred from the reactor pressure vessel. The decay time for movement of irradiated fuel assemblies to the SFP is controlled by the maximum heat load in the SFP required to maintain temperature within design limits. The parameters impacting the cooling capacity of the SFP are the number of pumps in operation and the service water temperature. Figure 3.9.3-1 depicts the cooling capacity limits for spent fuel pool based upon these parameters.