

ENCLOSURE 4

Marked up Technical Specification

3/4.3 TRANSFER CASK

3/4.3.2 TIME LIMIT FOR COMPLETION OF NUHOMS 32 PHB DSC TRANSFER OPERATION

LIMITING CONDITION FOR OPERATION

3.3.2.1 The time limit for completion of transfer of a loaded and welded NUHOMS 32 PHB DSC from the cask handling area to the HSM is as follows:

- a. No time limit for a DSC with a total heat load of ≤ 21.12 kW
- b. 62 hours for a DSC with a total heat load > 21.12 kW and ≤ 23.04 kW
- c. 38 hours for a DSC with a total heat load > 23.04 kW and ≤ 25.6 kW
- d. 10 hours for a DSC with a total heat load > 25.6 kW and ≤ 29.6 kW

3.3.2.2 If the heat load of a NUHOMS 32 PHB DSC is greater than 21.12 kW, the Forced Cooling system shall be installed on the transfer skid and verified operable prior to commencing the transfer operations of a loaded NUHOMS 32 PHB DSC.

APPLICABILITY: This specification is applicable to NUHOMS 32 PHB DSCs only. The time limit is defined as the time elapsed after the initiation of draining the transfer cask/DSC annulus water until completion of insertion of the DSC into the HSM.

ACTION: Initiate one of the following actions within ten hours if the specified time limit is exceeded. The chosen action may be temporarily suspended under administrative controls to change from one action to another.

1. Complete the transfer of the DSC to the HSM or,
2. If the transfer cask is in the cask handling area in a vertical orientation fill the transfer cask/DSC annulus with clean water or,
3. If the transfer cask is in a horizontal orientation, initiate air circulation* by starting one of the blowers provided on the transfer skid or,
4. Return the transfer cask to the cask handling area, reposition in a vertical orientation, and fill the transfer cask/DSC annulus with clean water.

* If air circulation is initiated, it must be maintained for a minimum duration of 8 hours before it is turned off. Once the air circulation is turned off, a maximum duration of 6 hours is available to complete the transfer to the HSM or re-establish the air circulation.
If air circulation is initiated and maintained for a minimum duration of 20 hours before it is turned off, a maximum duration of 8 hours is available to complete the transfer to the HSM or re-establish the air circulation.

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SURVEILLANCE REQUIREMENTS

4.3.2.1 Monitor the time duration following initiation of draining of the transfer cask/DSC annulus until completion of the insertion of the NUHOMS 32 PHB DSC into the HSM.