

LCO Matrices for Various Licenses and CoCs

Materials License SNM-2510, Amendment 3

SNM-2510 LCO	Applicable Components at WCS	Applicable to WCS?	WCS Implementing LCO	Comments
3.1.1 DSC Vacuum Pressure during drying shall be ≤ 3 Torr.	FO- DSC FC-DSC FF-DSC	No, Canister loading accomplished under SNM-2510. Canisters will not be vacuum dried at the WCS CISF.	Not Applicable	
3.1.2 DSC Helium Leakage Rate	FO- DSC FC-DSC FF-DSC	No, Canister loading accomplished under SNM-2510. Canisters will not be leak tested using this LCO at the WCS CISF.	Not Applicable	
3.1.3 DSC Helium Backfill Pressure	FO- DSC FC-DSC FF-DSC	No, Canister loading accomplished under SNM-2510. Canisters already backfilled before arriving at the WCS CISF.	Not Applicable	

LCO Matrices for Various Licenses and CoCs

Certificate of Compliance 1004, Amendment 13

CoC 1004 LCO	Applicable Components at WCS	Applicable to WCS?	WCS Implementing LCO	Comments
3.1.1 DSC Bulkwater Removal Medium and Vacuum Drying Pressure	61BT 61BTH Type 1	No, Canister loading accomplished under the General License. Canister will not be vacuum dried at the WCS CISF.	Not Applicable	
3.1.2 DSC Helium Backfill Pressure	61BT 61BTH Type 1	No, Canister loading accomplished under the General License. Canisters already backfilled before arriving at the WCS CISF.	Not Applicable	
3.1.3 Time Limit for Completion of DSC Transfer (24PTH, 61BTH Type 2, 32PTH1, 69BTH or 37PTH DSC Only)	None	No, LCO does not apply to any components to be used at the WCS CISF.	Not Applicable	
3.1.4 HSM Maximum Air Exit Temperature with a Loaded DSC	HSM Model 102	No, The original intent of this LCO was to verify that the thermal analytical techniques and calculations were sufficient to predict that the HSM could adequately cool the canister to prevent cladding temperatures from exceeding their limits. With over 800 HSMs in service around the United States the adequacy of the HSM design to remove heat from the canister has been amply demonstrated. In addition, the fuel in the canisters being placed back into storage at the WCS CISF are significantly cooled to meet the transportation limits. Therefore, this LCO is no longer needed. In addition, Section 5.1.3 of the WCS CISF Technical Specifications provides for verification that the vents do not become blocked such that the cladding temperatures can reach their temperature limits.	Not Applicable	
3.2.1 Boron concentration of the spent fuel pool water and the water added to the cavity of a loaded DSC (24P, 32PT, 24PHB, 24PTH, 32PTH1, or 32PTH) shall be greater than or equal to the boron concentration below:	None	No, LCO does not apply to any components to be used at the WCS CISF.	Not Applicable	

LCO Matrices for Various Licenses and CoCs

Certificate of Compliance 1029, Amendment 3

CoC 1029 LCO	Applicable Components at WCS	Applicable to WCS?	WCS Implementing LCO	Comments
3.1.1.a 24PT1-DSC Vacuum Drying Time (Duration) and Pressure	24PT1	No, Canister loading accomplished under the General License. Canister will not be vacuum dried at the WCS CISF.	Not Applicable	
3.1.1.b 24PT4-DSC Vacuum Drying Time (Duration) and Pressure	None	No, LCO does not apply to any components to be used at the WCS CISF.	Not Applicable	
3.1.1.c 32PTH2 DSC Bulkwater Removal Medium and Vacuum Drying Pressure	None	No, LCO does not apply to any components to be used at the WCS CISF.	Not Applicable	
3.1.2.a 24PT1-DSC Helium Backfill Pressure	24PT1	No, Canister loading accomplished under the General License. Canisters already backfilled before arriving at the WCS CISF.	Not Applicable	
3.1.2.b 24PT1-DSC Helium Backfill Pressure	None	No, LCO does not apply to any components to be used at the WCS CISF.	Not Applicable	
3.1.2.b 32PTH2 DSC Helium Backfill Pressure	None	No, LCO does not apply to any components to be used at the WCS CISF.	Not Applicable	
3.1.3 Time Limit for Completion of DSC Transfer (32PTH2 DSC Only)	None	No, LCO does not apply to any components to be used at the WCS CISF.	Not Applicable	
3.2.1 The boron concentration of the spent fuel pool water and the water added to the cavity of a loaded 32PTH2 DSC shall be greater than or equal to 2600 ppm.	None	No, LCO does not apply to any components to be used at the WCS CISF.	Not Applicable	

LCO Matrices for Various Licenses and CoCs

Certificate of Compliance 1025, Amendment 6

CoC 1025 LCO	Applicable Components at WCS	Applicable to WCS?	WCS Implementing LCO	Comments
3.1.1 CANISTER Maximum Time in Vacuum Drying	Yankee-MPC CY-MPC MPC-LACBWR	No, Canister loading accomplished under the General License. Canister will not be vacuum dried at the WCS CISF.	Not Applicable	
3.1.2 CANISTER Vacuum Drying Pressure	Yankee-MPC CY-MPC MPC-LACBWR	No, Canister loading accomplished under the General License. Canister will not be vacuum dried at the WCS CISF.	Not Applicable	
3.1.3 CANISTER Helium Backfill Pressure	Yankee-MPC CY-MPC MPC-LACBWR	No, Canister loading accomplished under the General License. Canisters already backfilled before arriving at the WCS CISF.	Not Applicable	
3.1.4 CANISTER Maximum Time In TRANSFER CASK	Yankee-MPC CY-MPC MPC-LACBWR	Yes, with modifications	3.2.1 CANISTER Maximum Time In TRANSFER CASK	Modified to address site specific operations, term definitions and equipment.
3.1.5 CANISTER Helium Leak Rate	Yankee-MPC CY-MPC MPC-LACBWR	No, Canister loading accomplished under General License. Canisters will not be leak tested using this LCO at the WCS CISF.	Not Applicable	
3.1.6 CONCRETE CASK Heat Removal System	VCCs	Yes, with editorial changes	3.2.2 VCC Heat Removal System	Modified to address site specific operations, term definitions and equipment.
3.1.7 Fuel Cooldown Requirements	Yankee-MPC CY-MPC MPC-LACBWR	No, Opening and removal of fuel from the Canisters is not authorized at the WCS CISF.	Not Applicable	
3.2.1 CANISTER Surface Contamination	Yankee-MPC CY-MPC MPC-LACBWR	No, Canister loading accomplished under the General License. Canisters already verified to be clean before arriving at the WCS CISF.	Not Applicable	
3.2.2 CONCRETE CASK Average Surface Dose Rates	VCCs	No, VCC loading accomplished under the General License. VCC dose rates already verified to meet the requirements before arriving at the WCS CISF. In addition, significant cooling of the fuel compared to the design basis fuel on which the dose rates are based.	Not Applicable	

LCO Matrices for Various Licenses and CoCs

Certificate of Compliance 1015, Amendment 5

CoC 1015 LCO	Applicable Components at WCS	Applicable to WCS?	WCS Implementing LCO	Comments
3.1.1 CANISTER Maximum Time in Vacuum Drying	Classes 1 thru 5	No, Canister loading accomplished under the General License. Canister will not be vacuum dried at the WCS CISF.	Not Applicable	
3.1.2 CANISTER Vacuum Drying Pressure	Classes 1 thru 5	No, Canister loading accomplished under the General License. Canister will not be vacuum dried at the WCS CISF.	Not Applicable	
3.1.3 CANISTER Helium Backfill Pressure	Classes 1 thru 5	No, Canister loading accomplished under the General License. Canisters already backfilled before arriving at the WCS CISF.	Not Applicable	
3.1.4 CANISTER Maximum Time In TRANSFER CASK	Classes 1 thru 5	Yes, with modifications	3.3.1 CANISTER Maximum Time In TRANSFER CASK	Modified to address site specific operations, allowed canister heat loads at the WCS CISF, term definitions and equipment.
3.1.5 CANISTER Helium Leak Rate	Classes 1 thru 5	No, Canister loading accomplished under General License. Canisters will not be leak tested using this LCO at the WCS CISF.	Not Applicable	
3.1.6 CONCRETE CASK Heat Removal System	VCCs	Yes, with editorial changes	3.3.2 VCC Heat Removal System	Modified to address site specific operations, PWR canisters only, term definitions and equipment.
3.2.1 CANISTER Surface Contamination	Classes 1 thru 5	No, Canister loading accomplished under the General License. Canisters already verified to be clean before arriving at the WCS CISF.	Not Applicable	
3.2.2 CONCRETE CASK Average Surface Dose Rates	VCCs	No, VCC loading accomplished under the General License. VCC dose rates already verified to meet the requirements before arriving at the WCS CISF. In addition, significant cooling of the fuel compared to the design basis fuel on which the dose rates are based.	Not Applicable	
3.3.1 Dissolved Boron Concentration	Classes 1 thru 5	No, Canister loading accomplished under the General License. Opening of canisters is not authorized at the WCS CISF.	Not Applicable	

LCO Matrices for Various Licenses and CoCs

Certificate of Compliance 1031, Amendment 5

CoC 1031 LCO	Applicable Components at WCS	Applicable to WCS?	WCS Implementing LCO	Comments
3.1.1 Transportable Storage Canister (TSC)	TSC 1 thru TSC4	Yes, with modifications	3.4.1 CANISTER Maximum time in the TRANSFER CASK	Modified to include only canister heat loads allowed canister heat loads at the WCS CISF, address site specific operations, term definitions and equipment. Also removed portions of the LCO dealing with Vacuum drying and backfilling of canisters as these operations are performed when the canister is loaded with fuel under the General License.
3.1.2 CONCRETE CASK Heat Removal System	VCCs	Yes, with editorial changes	3.4.2 VCC Heat Removal System	Modified to address site specific operations, term definitions and equipment.
3.2.1 Dissolved Boron Concentration	TSC 1 thru TSC4	No, Canister loading accomplished under the General License. Opening of canisters is not authorized at the WCS CISF.	Not Applicable	
3.3.1 CONCRETE CASK Maximum Surface Dose Rate	VCCs	No, VCC loading accomplished under the General License. VCC dose rates already verified to meet the requirements before arriving at the WCS CISF. In addition, significant cooling of the fuel compared to the design basis fuel on which the dose rates are based.	Not Applicable	
3.3.2 TSC Surface Contamination	TSC 1 thru TSC4	No, Canister loading accomplished under the General License. Canisters already verified to be clean before arriving at the WCS CISF.	Not Applicable	