

Humboldt Bay ISFSI Amendment 5 Technical Specification Page Changes

Remove Page

Table of Contents

3.1-2

3.1-6

4.0-2

5.0-1

5.0-2

Insert Revised Page

Table of Contents

3.1-2

3.1-6

4.0-2

5.0-1

5.0-2

TABLE OF CONTENTS

1.0	USE AND APPLICATION	1.1-1
1.1	Definitions	1.1-1
1.2	Logical Connectors	1.2-1
1.3	Completion Times	1.3-1
1.4	Frequency	1.4-1
2.0	APPROVED CONTENTS	2.0-1
3.0	LIMITING CONDITION FOR OPERATION (LCO) APPLICABILITY	3.0-1
3.0	SURVEILLANCE REQUIREMENT (SR) APPLICABILITY	3.0-2
3.1	Spent Fuel Storage Cask (SFSC) Integrity	3.1-1
3.1.1	Multi-Purpose Canister (MPC-HB)	3.1-1
3.1.2	Overpack Heat Removal System	3.1-3
3.1.3	Deleted	3.1-6
4.0	DESIGN FEATURES	4.0-1
4.1	Design Features Significant to Safety	4.0-1
4.1.1	Criticality Control	4.0-1
4.2	Codes and Standards	4.0-1
4.2.1	Alternatives to Design Codes, Standards, and Criteria	4.0-1
4.3	Cask Handling	4.0-2
4.3.1	Cask Transporter	4.0-2
4.3.2	Storage Capacity	4.0-2
4.3.3	SFSC Load Handling Equipment	4.0-2
5.0	ADMINISTRATIVE CONTROLS	5.0-1
5.1	Administrative Programs	5.0-1
5.1.1	Technical Specifications (TS) Bases Control Program	5.0-1
5.1.2	Radioactive Effluent Control Program	5.0-1
5.1.3	Deleted	5.0-1
5.1.4	ISFSI Operations Program	5.0-2
5.1.5	Cask Transportation Evaluation Program	5.0-2
5.1.6	Deleted	5.0-2
5.1.7	Quality Assurance Program Changes	5.0-2

ACTIONS (continued)

CONDITION	REQUIRED ACTION	COMPLETION TIME
C. MPC-HB helium leak rate limit for vent and drain port cover plate welds not met.	C.1 Perform an engineering evaluation to determine the impact of increased helium leak rate on heat removal capacity.	24 hours
	<u>AND</u> C.2 Develop and initiate corrective actions necessary to return the MPC-HB to an analyzed condition.	7 days

SURVEILLANCE REQUIREMENTS

SURVEILLANCE		FREQUENCY
SR 3.1.1.1	Verify MPC-HB cavity vacuum drying pressure is ≤ 3 torr for ≥ 30 min. <u>OR</u> While recirculating helium through the MPC-HB cavity, verify that the gas temperature exiting the demohurizer is $\leq 21^{\circ}\text{F}$ for ≥ 30 min or the dew point of the gas exiting the MPC is $\leq 22.9^{\circ}\text{F}$ for ≥ 30 min.	Once, prior to TRANSPORT OPERATIONS.
SR 3.1.1.2	Verify MPC-HB helium backfill pressure is ≥ 45.2 psig and ≤ 48.8 psig at a reference temperature of 70°F .	Once, prior to TRANSPORT OPERATIONS.
SR 3.1.1.3	Verify that the total helium leak rate through the MPC-HB vent and drain port cover plate welds is $\leq 1.0\text{E-}7$ atm-cc/sec (He).	Once, prior to TRANSPORT OPERATIONS.

3.1 SFSC INTEGRITY

3.1.3 Deleted

4.0 DESIGN FEATURES (continued)

4.3 Cask Handling

4.3.1 Cask Transporter

A cask transporter is used to transport the SFSC. The requirements for the cask transporter are as follows:

- a. TRANSPORT OPERATIONS shall be conducted using the cask transporter.
- b. The cask transporter fuel tank shall not contain > 50 gallons of diesel fuel at any time.
- c. The cask transporter shall be designed, fabricated, inspected, maintained, operated, and tested in accordance with the applicable guidelines of NUREG-0612.
- d. The cask transporter lifting towers shall have redundant drop protection features.

4.3.2 Storage Capacity

The Humboldt Bay ISFSI can accommodate up to 400 spent fuel assemblies. The ISFSI storage capacity can accommodate up to six SFSCs.

4.3.3 SFSC Load Handling Equipment

Lifting of a SFSC shall be performed with load handling equipment that is designed, fabricated, inspected, maintained, operated and tested in accordance with the applicable guidelines of NUREG-0612, "Control of Heavy Loads at Nuclear Power Plants".

5.0 ADMINISTRATIVE CONTROLS

5.1 Administrative Programs

The following programs shall be established, implemented, and maintained:

5.1.1 Technical Specifications (TS) Bases Control Program

This program provides a means for processing changes to the Bases of these TS.

- a. Changes to the TS Bases shall be made under appropriate administrative controls and reviews.
- b. Changes to the TS Bases may be made without prior NRC approval in accordance with the criteria in 10 CFR 72.48.
- c. The TS Bases Control Program shall contain provisions to ensure that the TS Bases are maintained consistent with the Humboldt Bay ISFSI SAR.
- d. Proposed changes that do not meet the criteria of 5.1.1.b above shall be reviewed and approved by the NRC prior to implementation. Changes to the TS Bases implemented without prior NRC approval shall be provided to the NRC on a frequency consistent with 10 CFR 72.48 (d) (2).

5.1.2 Radioactive Effluent Control Program

- a. This program is established and maintained to implement the requirements of 10 CFR 72.44 (d) or 72.126, as appropriate. There are no radioactive gaseous or liquid effluents released from the Humboldt Bay Independent Spent Fuel Storage Installation (ISFSI) during operation. Therefore, a radioactive effluent monitoring system is not required, routine monitoring for effluents is not performed, and the licensee is exempted from the reporting requirements under 10 CFR 72.44(d)(3).
- b. Deleted

5.1.3 Deleted

(continued)

5.0 ADMINISTRATIVE CONTROLS (continued)

5.1.4 ISFSI Operations Program

This program will implement the Humboldt Bay ISFSI SAR requirements for ISFSI operations. It will include criteria to be verified and controlled:

- a. SFSC cask storage location.
- b. Design features listed in Section 4.0 and design basis ISFSI parameters consistent with the Humboldt Bay ISFSI SAR analysis.

5.1.5 Cask Transportation Evaluation Program

This program will evaluate and control the transportation of loaded SFSCs. Included in this program will be pre-transport evaluation and control during transportation of the following:

- Transportation route road surface conditions.
- Onsite hazards along the transportation route.
- Security, including control of the 100 meter boundary.
- Transporter control functions and operability.
- Offsite marine hazards from barge transport.
- Severe weather.

5.1.6 Deleted

5.1.7 Quality Assurance Program Changes

- a. Changes to the Quality Assurance Program shall be reviewed and approved in accordance with administrative procedures.
 - b. Changes may be made to the Quality Assurance Program without prior NRC approval provided the changes do not:
 - Reduce the commitments in the quality assurance program previously approved by the NRC.
 - Involve a change to the Humboldt Bay ISFSI License or Technical Specifications.
 - c. Changes made to the Quality Assurance Program without prior NRC approval shall be submitted to the NRC consistent with the frequency in 10 CFR 72.70(c)(6).
 - d. Proposed changes which do not meet the criteria in 5.1.7.b shall be approved by the NRC prior to implementation.
-

HB ISFSI Amendment 5 Issuance Package DATE October 11, 2022

DISTRIBUTION:

JWoodfield, NMSS/DFM/IOB

MNorris, NSIR/DPR/RLB

JSolis, NMSS/DFM/CTCFB

ADAMS Accession No.: ML22214A115; ML22214A118

*** via email**

OFFICE	NMSS/DFM/STLB	NMSS/DFM/STLB	NMSS/DFM/CTCFB	OEDO
NAME	DHabib <i>DH</i>	WWheatley <i>WW</i>	JSolis <i>JS</i>	ARivera-Varona <i>AR</i>
DATE	Aug 8, 2022	Aug 10, 2022	Aug 15, 2022	Aug 17, 2022
OFFICE	NMSS/DFM/CTCFB	OGC/GCHA/AGCOR /NLO*	NMSS/DFM/STLB	
NAME	DMarcano <i>DM</i>	JMcManus <i>JM</i>	YDiaz-Sanabria <i>YD</i>	
DATE	Aug 17, 2022	Oct 7, 2022	Oct 11, 2022	

OFFICIAL RECORD COPY