



**UNITED STATES
NUCLEAR REGULATORY COMMISSION**
WASHINGTON, D.C. 20555-0001

April 26, 2022.

MEMORANDUM TO: Yoira Díaz Sanabria, Deputy Director
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

FROM: Norma García Santos, Project Manager
Storage and Transportation Licensing Branch
Division of Fuel Management
Office of Nuclear Material Safety
and Safeguards

SUBJECT: SUMMARY OF MARCH 15, 2022, MEETING WITH GESELLSCHAFT FÜR
NUKLEAR-SERVICE MHB TO DISCUSS THE APPLICATION AND REQUESTS
FOR SUPPLEMENTAL INFORMATION FOR THE CERTIFICATE OF
COMPLIANCE FOR THE MODEL NO. CASTOR GEO69 STORAGE SYSTEM
(DOCKET NO. 72-1052)

Background

On March 15, 2022, a public meeting was held virtually, at the request of Gesellschaft Für Nuklear-Service mHb (GNS-mHb) with the U.S. Nuclear Regulatory Commission (NRC) staff (Agencywide Documents Access and Management System (ADAMS) Accession No. ML22046A030). The meeting was noticed in the NRC's public website (ADAMS Accession No. ML22061A156) as an Observation meeting with a portion closed to the public due to proprietary content. The notice included the agenda for the meeting. Enclosure 1 includes the list of participants. Enclosure 2 includes the presentation slides discussed in the portion of the meeting open to the public (ADAMS Accession No. ML22046A028).

Discussion

The purpose of the meeting was to discuss details related to the request to NRC from GNS-mHb for certifying the Model No. CASTOR geo69 storage system and the requests for supplemental information (RSIs) submitted by the staff. The applicant submitted this request by letter dated May 3, 2021 (ADAMS Accession No. ML21126A156). The Model No. CASTOR geo69 is a new storage system for transporting spent fuel assemblies. The following section includes a summary of the discussion during the public portion of the March 15th meeting.

CONTACT: Norma García Santos, NMSS\DFM
301-415-6999

Summary

Besides applying for the Model No. CASTOR geo69 storage system, the applicant also applied for the approval of a package design for the Model No. CASTOR geo69. The applicant mentioned that they had submitted a quality assurance plan for NRC's approval under Docket No. 71-0967.

The applicant proceeded to briefly discuss and explain their approach for submitting the storage and transportation applications. The applicant explained that the transportation and storage designs are usually submitted together in Germany for review. Currently, the storage application references information of the application for the package's design. The applicant further explained the following about status in Germany regarding storage facilities and systems:

- 1) 12 on site storage facilities at nuclear power plants;
- 2) 2 central intermediate storage facilities;
- 3) no standalone certificates for dry storage systems;
- 4) dry storage systems are included in the license for storage facilities;
- 5) Separate regulatory authorities; and
- 6) no general applicable requirements (like general licensees in the U.S.).

As previously explained to the applicant, the staff commented that given the current regulatory infrastructure in the U.S. storage and transportation applications are submitted separately. One of the reasons is the criteria in 10 CFR 72.48 for screening changes that require an amendment to the certificate of compliance for a storage system or changes that can be made without previous NRC's approval. Since this topic has been previously discussed with the staff, the applicant mentioned that they already decided to split the storage and transportation as standalone applications. The staff asked if there are regulations like 10 CFR 72.48 in Germany. The applicant replied that there is no comparable process in Germany. Therefore, the 10 CFR 72.48 criteria and process is new for the applicant. The applicant explained that the German competent authority participates on the manufacturing of each cask.

The applicant also explained that they defined a generic environment as well as boundary conditions for the design of the storage system. The applicant mentioned that they use the following guidance to develop the application:

- 1) Regulatory Guide 3.61
- 2) NUREG-2215 and applicable reference documents (with exception of chapters only applicable to specific licenses).

Then, the applicant proceeded to answer a few questions from the audience. After answering questions, the applicant started the closed portion of the meeting.

Docket No. 72-1052

EPID No. L-2021-NEW-0006

Enclosures:

1. Meeting Attendees
2. Presentations Slides

cc: Attendees

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DOCUMENT DATE:

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ASotomayor J.Wise J.Woodfield DMarcano MDiazMaldonado
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C = COVER E = COVER & ENCLOSURE N = NO COPY**ADAMS Package Accession No.: ML**

OFFICE	DFM	E	DFM	N	DFM	N
NAME	NGarcía Santos		WWheatley by email		YDiaz Sanabria by email	
DATE	4/25/22		4/26/22		4/26/22	

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Public Meeting
Model No. CASTOR geo69 Storage System

Amendment No. 0
Docket No. 72-1052

March 15, 2022
9:00 A.M. – 12:00 P.M. (EST)
Location: MS Teams

Attendees List

Name	Organization
Norma García Santos	NRC
Bernard IV White	NRC
Christopher Bajwa	NRC
Joseph Borowsky	NRC
Michel Call	NRC
Darrell Dunn	NRC
Daniel Forsyth	NRC
Omar Khan	NRC
Sumit Samaddar	NRC
Alexis Sotomayor	NRC
John Wise	NRC
John Woodfield	NRC
David Bergant	GNS mHb
Dominik Bussmann	GNS mHb
Maksym Chernykh	GNS mHb
Ingo Eichmann	GNS mHb
Tobias Fischer	GNS mHb
Harald Greza	GNS mHb
Micheal Nekipelov	GNS mHb
Moritz Riebisch	GNS mHb
Sven Tittelbach	GNS mHb
Jan Boudart	Nuclear Energy Information Service (NEIS)
Carlyn Green	SpentFUEL and Store FUEL, UxC