



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

August 28, 2019

PARTIALLY CLOSED – MEETING NOTICE

Organization: Gesellschaft für Nuklear-Service mbH (GNS)

Date: September 11, 2019 8:00 a.m. – 4:00 p.m. (Eastern Daylight Time)

Location: U.S. Nuclear Regulatory Commission (NRC)
One White Flint North, Room O-4B6
11555 Rockville Pike
Rockville, MD 20852

Purpose: Pre-application for Model No. CASTOR® geo69 transportation package

Participants: NRC/NMSS/DSFM GNS
John McKirgan, et al. Jens Schröder, et al.

Meeting Category: This is a **Category 1 Meeting**. The public is invited to observe this meeting and will have one or more opportunities to communicate with the NRC after the business portion, but before the meeting is adjourned. The NRC's Policy Statement, "Enhancing Public Participation on NRC Meetings," effective May 28, 2002, applies to this meeting. The policy statement may be found on the NRC website, www.nrc.gov, and contains information regarding visitors and security.

The NRC provides reasonable accommodation to individuals with disabilities where appropriate. If you need a reasonable accommodation to participate in this meeting, or need the meeting notice or the transcript or other information from the meeting in another format (e.g., Braille, large print), please notify the NRC's meeting contact. Determinations on requests for reasonable accommodation will be made on a case-by-case basis.

Contacts: Bernard White (301) 415-6577, Bernard.White@nrc.gov

Attendance on the phone at for this meeting by other than those listed above should be made known by September 9, 2019, by phone or e-mail to the above contact.

Docket Nos. 71-9383

Enclosure: Agenda

SUBJECT: PRE-APPLICATION FOR MODEL NO. CASTOR® GEO69 TRANSPORTATION PACKAGE

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OFC	DSFM	DSFM
NAME	BWhite	SFiguroa
DATE	8/28/19	8/28/19

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Agenda for the Pre-Application Meeting Between
NRC/Gesellschaft für Nuklear-Service mbH Meeting
September 11, 2019, 8:00 a.m. – 4:00 p.m.

Discussion

PUBLIC MEETING

1. General Package Design (15 min)
2. Current Status of the Project (15 min)

CLOSED MEETING

1. Specific Information on Package Design (30 min)
 - a. Design Features of the Package and CLU
 - b. Radioactive Content
 - c. Engineering Drawings / Parts List
2. Structural Evaluation (3h)
 - a. Design Evaluation of each main component
 - i. Material Characterization and Validation of Impact Limiter
 - ii. Evaluation of cask body (incl. Fracture Toughness)
 - iii. Evaluation of basket
 - iv. Evaluation of canister (incl. mock-up test for leakage rate determination)
 - b. Validation of Methods for Calculations
3. Thermal Evaluation (15 min)
 - a. Calculation Models
 - b. Preliminary Results and Conclusions
4. Containment (15 min)
 - a. Calculation Approach
5. Shielding Evaluation (30 min)
 - a. Calculation Models
 - i. Detailed Content Information and Loading Pattern
 - ii. Methods for Source Term Determination
 - b. Preliminary Results and Conclusions
6. Criticality Evaluation (30 min)
 - a. Criticality Safety Concept
 - b. Calculation Code and Model
 - i. Deformation of FA
 - ii. Fuel release after fuel rod failure
 - iii. Uncertainty of Δk_u
7. Quality Assurance (30 min)
8. Concluding Discussion (30 min)