

Robatel Type B(U) Transportation Cask for Non- Fissile Radioactive Waste

Docket No. 71-9384

NRC Pre-Application Meeting

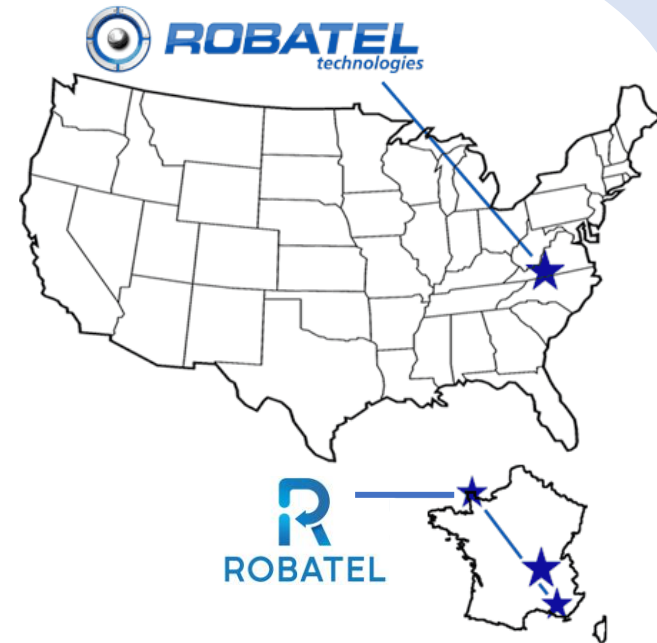
8:30AM May 25th, 2023
11555 Rockville Pike
Rockville, MD

Agenda

- ▶ Open Session
 - Introduction
 - Meeting Objectives
 - Package Contents
 - Package Design
 - Current Status
 - Opportunity for Public Comments

Introduction

- ▶ Founded in 1830, Robatel has supported the nuclear industry for over 70 years through the design and fabrication of:
 - Type B Transportation Casks
 - Hot Cells
 - Gloveboxes
- ▶ Licensed 85 casks internationally and fabricated over 2,000
- ▶ NQA-1 and 10 CFR Part 71 Subpart H compliant quality program



➤ RT-100 Type B Transportation Cask | Docket No. 71-9365

Meeting Objectives

- ▶ Provide overview of the cask design
- ▶ Review shielding analysis methodology
- ▶ Gather initial feedback

Package Design

- ▶ The new cask is a Type B(U) transportation cask for shipment of non-fissile normal form content
- ▶ Design Features:
 - Two impact limiters with foam
 - 304L stainless steel lid with leak test port
 - Vent and drain port in the cask body with cover plates
 - Lead shielding
 - 304L stainless steel inner and outer shell body
 - Dedicated trunnions for lifting and handling and dedicated trunnions for tie-down and transport
 - Ceramic paper thermal protection
- ▶ The shipment may be transported via road and railway

Package Contents

Content No. 1

- ▶ The license application will categorize two possible content profiles
- ▶ Content No. 1 – Rigidly constrained configuration containing activated and contaminated metallic hardware
 - Specific shoring to be used to maintain orientation and structural integrity during shipment
 - Only trace quantities of fissile radionuclides per the limits in 10 CFR 71.15
 - Exclusive use shipment using an open (flat-bed) transport vehicle

Package Contents

Content No. 2

- ▶ Content No. 2 – General activated and contaminated metallic hardware to support decommissioning projects
 - No pre-defined geometric configuration or shoring; contents will be verified before shipment to ensure compliance with the CoC requirements
 - Maximum specific activity limit is used to validate the contents using characterization data
 - Only trace quantities of fissile radionuclides per the limits in 10 CFR 71.15
 - Exclusive use shipment using an open (flat-bed) transport vehicle

Current Status

Project Timeframe

► Milestones:

- License application submission ----- Feb., 2024
- Requested CoC need-by ----- Aug., 2025

Opportunity for Public Comments