



**Orano TN**

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July 16, 2020  
E-57117

U. S. Nuclear Regulatory Commission  
Attn: Document Control Desk  
One White Flint North  
11555 Rockville Pike  
Rockville, MD 20852

Subject: Request for a Pre-application Meeting (Docket Number: 71-9382)

Reference: TN Americas LLC letter E-53437 dated January 21, 2019, "Request  
for a Pre-application Meeting"  
(Docket Number: 71-9382)

TN Americas LLC letter E-53523 dated February 4, 2019, "Request  
for a Pre-application Meeting"  
(Docket Number: 71-9382)

TN Americas LLC letter E-55299 dated October 15, 2019, "Request  
for a Pre-application Meeting"  
(Docket Number: 71-9382)

TN Americas LLC requests a pre-application meeting on August 18, 2020, to review  
the Model TN Eagle transportation package design.

An agenda is submitted as Enclosure 1 that includes a public presentation  
(Enclosure 2) and a closed meeting to discuss proprietary information (Enclosure 3).  
An affidavit (Enclosure 4) is provided for the proprietary presentation.

Should the NRC staff have any questions or require additional information to  
support scheduling of this pre-application meeting, please contact Mr. Peter Vescovi  
by telephone at 336-420-8325, or by e-mail at [Peter.Vescovi@Orano.group](mailto:Peter.Vescovi@Orano.group).

Sincerely,

Don Shaw

Digitally signed by Don  
Shaw  
Date: 2020.07.16  
07:13:19 -0400

Don Shaw  
Licensing Manager

cc: Bernie White, Senior Project Manager, U.S. Nuclear Regulatory Commission  
Lionel Antognelli, Project Engineer, TN Americas LLC  
Prakash Narayanan, Chief Technical Officer, TN Americas LLC  
Peter Vescovi, Licensing Engineer, TN Americas LLC  
Raheel Haroon, Engineering Manager, TN Americas LLC

Enclosures:

1. Agenda for TN-Americas LLC TN EAGLE Pre-Application Meeting on August 18, 2020
2. TN Eagle Pre-Application NRC Meeting, Non-Proprietary Information
3. TN Eagle Pre-Application NRC Meeting, Proprietary Information
4. Affidavit Pursuant to 10 CFR 2.390

## **Agenda for TN-Americas LLC TN Eagle Pre-Application Meeting on August 18, 2020**

NRC Docket Number: 71-9382

TN Eagle Pre-Application Meeting

August 18, 2020; 1 p.m. – 4 p.m. EST

U. S. Nuclear Regulatory Commission

One White Flint North

11555 Rockville Pike

Rockville, MD 20852

Room: Telephone conference call

- |             |  |
|-------------|--|
| 1 :00– 1:15 | Introduce participants   |
| 1:15 – 1:30 | Public meeting – TN EAGLE Presentation (Non-proprietary) <ul style="list-style-type: none"><li>• 01 Introduction – Cask presentation</li></ul>   |
| 1:30 – 1:45 | Questions  |
| 1:45 – 3:45 | Closed meeting – TN EAGLE Presentation (Proprietary) <ul style="list-style-type: none"><li>• 01 TN EAGLE – EOS Contents</li><li>• 02 TN EAGLE – TN MP187, MP197, and MP197HB DSC Contents</li><li>• 03 TN EAGLE – Other Contents</li></ul> |
| 3:45 – 4:00 | Questions / Wrap-up  |

### Participants:

Lionel Antognelli, Project Engineer, TN Americas LLC

Prakash Narayanan, Chief Technical Officer, TN Americas LLC

Peter Vescovi, Licensing Engineer, TN Americas LLC

Raheel Haroon, Engineering Manager, TN Americas LLC

Don Shaw, Licensing Manager, TN Americas LLC

Philippe Pham, Nuclear Safety Manager, TN Americas LLC

Venkata Venigalla, Structural and Thermal Manager, TN Americas LLC

**Enclosure 2 to E-57117**

**TN Eagle Pre-Application NRC Meeting,  
Non-Proprietary Information**



# **TN EAGLE**

## **Universal Transport Cask**

### **Third Pre-Application NRC Meeting**

### **NRC Docket No.71-9382**

18 AUG 2020



# Agenda

- 1. Project Presentation**
- 2. Cask Presentation**
- 3. Early Manufacturing**

# Project Presentation

The TN Eagle is a new Universal Transport Cask developed by Orano TN.

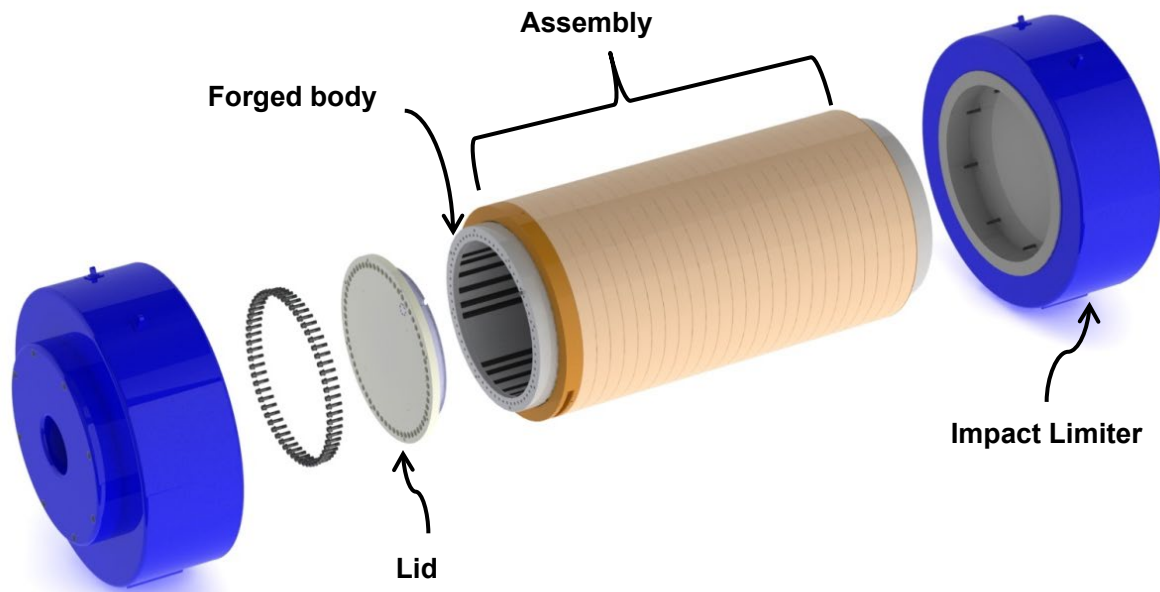
Identified contents are:

- **CoC 1042 - EOS Dry Shielded Canisters**
- **CoC 9255 - MP 187 Dry Shielded Canisters**
- **CoC 9302 - MP 197HB Dry Shielded Canisters**

The licensing application will be for Transportation under NRC regulation 10 CFR Part 71.

# Cask Presentation

- Single shell, forged body
- New technology for assembly and handling principles





# Early Manufacturing Strategy

**Orano TN has chosen the US market for the first-of-a-kind TN Eagle Cask. The early manufacturing process detailed by the NRC will be followed.**

- Orano TN will issue a 45 days pre-fabrication start notification
- Orano TN will keep records from the early manufacturing stages to demonstrate the manufactured cask is compliant with the license

## **Manufacturing updates:**

- A supplier has been selected for the forged body manufacturing
- A QA audit has been performed
- Tooling equipment is ready
- Manufacturing of the 1<sup>st</sup> forged body is planned to start before the end of the year
- Orano TN has already written and approved several manufacturing specifications for this project



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**Proprietary Enclosure 3 to E-57117**

**TN Eagle Pre-Application NRC Meeting, Proprietary Information**

**Withheld Pursuant to 10 CFR 2.390**

**AFFIDAVIT PURSUANT**  
**TO 10 CFR 2.390**

TN Americas LLC                     )  
State of Maryland                 )     SS.  
County of Howard                 )

I, Prakash Narayanan, depose and say that I am Chief Technical Officer of TN Americas LLC, duly authorized to execute this affidavit, and have reviewed or caused to have reviewed the information which is identified as proprietary and referenced in the paragraph immediately below. I am submitting this affidavit in conformance with the provisions of 10 CFR 2.390 of the Commission's regulations for withholding this information.

The information for which proprietary treatment is sought is contained in Enclosure 3 including separate video files to be included with the presentation is listed below:

- Enclosure 3, TN Eagle Pre-Application NRC Meeting, Proprietary Information.

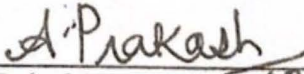
The above document has been appropriately designated as proprietary.

I have personal knowledge of the criteria and procedures utilized by TN Americas LLC in designating information as a trade secret, privileged or as confidential commercial or financial information.


Pursuant to the provisions of paragraph (b) (4) of Section 2.390 of the Commission's regulations, the following is furnished for consideration by the Commission in determining whether the information sought to be withheld from public disclosure, included in the above referenced document, should be withheld.

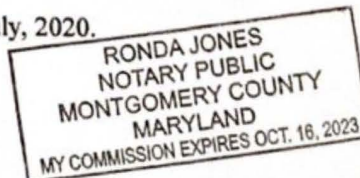
- 1) The information sought to be withheld from public disclosure involves descriptions of the design of a 10 CFR Part 71 transportation packaging for radioactive material, related to the design of the TN Eagle, which are owned and have been held in confidence by TN Americas LLC.
- 2) The information is of a type customarily held in confidence by TN Americas LLC, and not customarily disclosed to the public. TN Americas LLC has a rational basis for determining the types of information customarily held in confidence by it.
- 3) Public disclosure of the information is likely to cause substantial harm to the competitive position of TN Americas LLC, because the information consists of descriptions of the design of a 10 CFR Part 71 transportation packaging for radioactive material, the application of which provide a competitive economic advantage. The availability of such information to competitors would enable them to modify their product to better compete with TN Americas LLC, take marketing or other actions to improve their product's position or impair the position of TN Americas LLC's product, and avoid developing similar data and analyses in support of their processes, methods or apparatus.

Further the deponent sayeth not.

  
Prakash Narayanan  
Chief Technical Officer, TN Americas LLC

Subscribed and sworn before me this 16<sup>th</sup> day of July, 2020.

  
\_\_\_\_\_  
Notary Public



My Commission Expires 10/16/2023