



## **HI-STORE CISF:**

***A Consolidated Interim Storage Facility for Spent Nuclear Fuel in Southeast New Mexico***

**Radioactive and Hazardous Material Interim Committee  
Clovis, NM  
August 5, 2022**

# Transportation: Unit Train Consist



- Two locomotives - Redundancy
- Buffer Railcar – Protect Security and Engineers
- One or More Cask Railcars – Expect 10 Cask Railcars
- Rail Escort Vehicle
  - ✓ Safety Monitoring System – Reduce Derailments from Equipment Failures
    - Wired and Wireless Sensors
    - Monitored in REV and at off-train monitoring center
  - ✓ Security (10 CFR 73.37 / NUREG-0561)

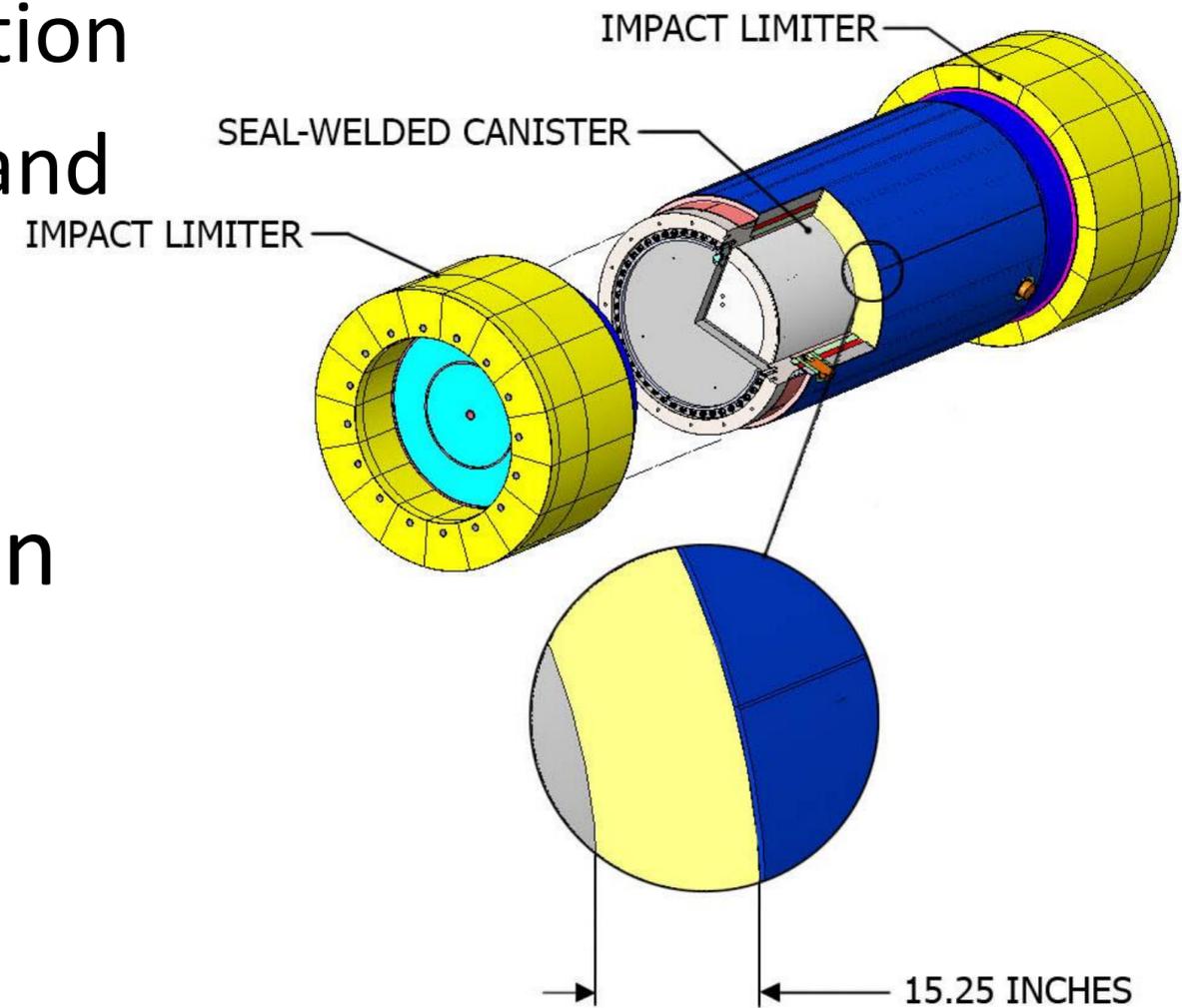
# Transportation: HI-STAR 190

## ■ Transport Casks

- ✓ Safely confine fuel and shield workers and public from radiation
- ✓ Multiple layers of steel, lead, and other materials

■ Inside cask SNF is contained in another sealed canister

■ Fully loaded casks can weigh 125-210 tons



Holtec Transport Cask

# Cask Design Robust & Safe

- Designed to protect public from releases of radioactive material in the unlikely event of an accident
- Must survive four successive accident conditions:
  - ✓ free drop, puncture, fire, and submersion in water



**HI-STAR 180**  
2.5" vice 5.5" Steel Canister

# Questions?



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