



Update:

HI-STORE CISF - A Consolidated Interim Storage Facility for Spent Nuclear Fuel in Southeast New Mexico

Radioactive and Hazardous Materials Committee

July 2021

Consolidated Interim Storage Update



- HI-STORM UMAX Technology
- Transportation of Spent Nuclear Fuel
- ✓ Public Outreach
- Licensing Timeline

HI-STORM UMAX Technology



Reinforced

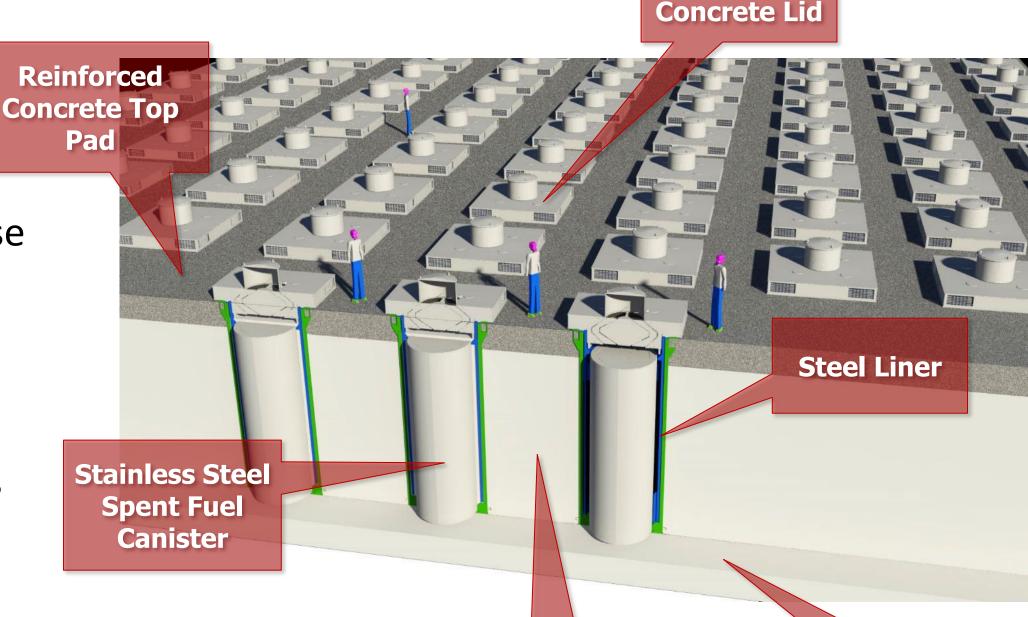
Concrete Base

Mat

Steel/

HI-STORM UMAX

- Seal welded canisters
- ✓ Below grade vertical silos
- ✓ Requires no water or electric
- ✓ Produces no pollution, emissions, or noise
- Safest and Most Secure Dry Storage Technology Available
 - ✓ Maximum Safety: Earthquakes, Oil & Gas Accidents, other postulated accidents
 - ✓ Maximum Security: Terrorist Threat
- No Affect on General Public, Environment, or **Economy**
 - ✓ Radiation dose fraction of cosmic radiation
 - ✓ No aquifers, ground water, or minerals affected
 - ✓ Oil & Gas, Ranchers, and Farmers not affected



Low

Compressive

Strength

Concrete

Transportation of Spent **Nuclear Fuel**



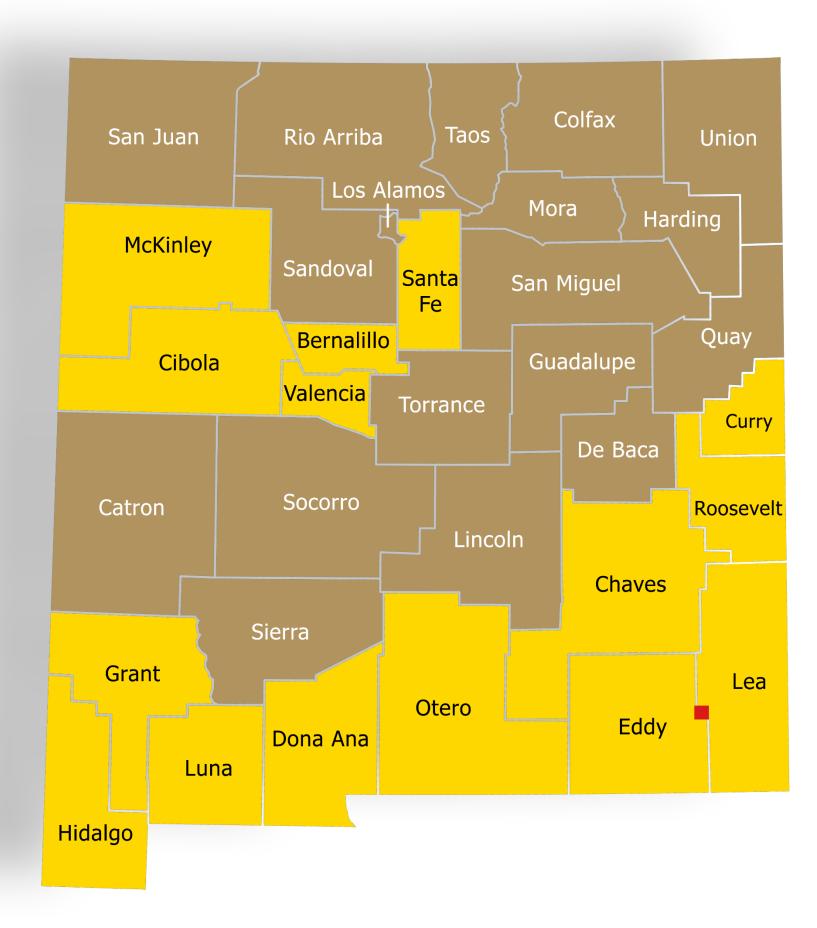
- All Spent Nuclear Fuel (SNF) to be transported by Rail
- 4 Mile Rail Spur to be built by Holtec International
- DoT and NRC Regulate SNF Shipments
- >1300 Shipments of SNF over 40 Years
 - ✓ Each Shipment Completed Safely
 - ✓ No Release to Environment



Public Outreach



- Prospective Transportation Routes
 - ✓ 15 of 33 Counties Briefed
 - Elected Officials and First Responders
 - ✓ All Pueblo and Pueblo of Jemez
- Facility Location
 - ✓ Counties and Cities
 - **✓** Association of Counties
 - Professional Organizations
 - Economic Development Councils
 - Chambers of Commerce
 - Hispano Chamber
 - **NAACP**
 - Dairy, Farm and Livestock, Cattle Growers **Associations**
 - Building/Construction Trades, General **Contractors Associations**
 - Rotary Clubs



Licensing Timeline



NRC Decides Whether to License Application **Accept Application for** Submittal (March 2017) Review **NRC** Dockets License Application (March 2018) NRC* Begins NRC Begins Safety Environmental Review Review (10 CFR Part 71, 72, 73) **NRC** Adjudicatory (NEPA) Hearings (ASLBP) (January 2019) **NRC** Issues Safety NRC Issues Environmental Impact Statement (10 CFR Part 51) **Evaluation Report** We Are Here Draft March 2020/Final December (December 2021) ASLBP Issues Findings; Potential NRC License **Early 2022** NRC*: BLM and NMED Coordinating Operational Fall 2024

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Agencies

ASLBP: Atomic Safety and Licensing **Board Panel**

Questions?





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