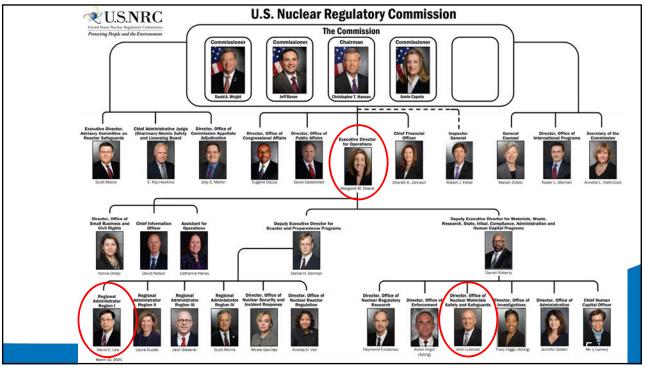


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Holtec HI-STORE CISF -Lea County, New Mexico

- License application submitted to NRC on March 30, 2017; detailed review began on February 28, 2018
- Holtec International is the applicant; proposed site is in Lea County, New Mexico
- Initial application for 40-year license to store up to 8,680 MTU (500 canisters) of commercial spent fuel; future plans to expand up to 100,000 MTU (10,000 canisters)
- Proposed facility to use the HI-STORM UMAX Canister Storage System





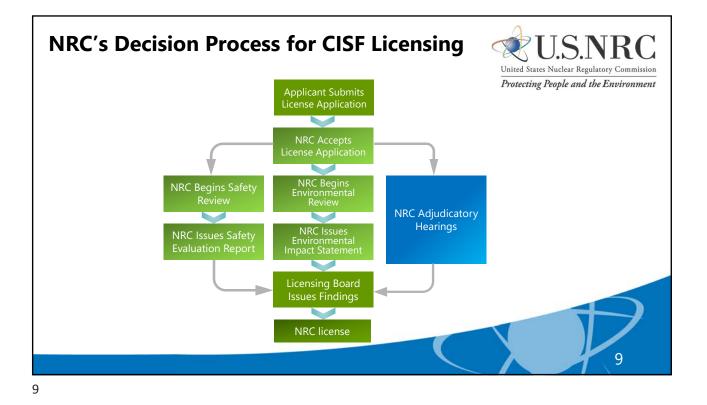


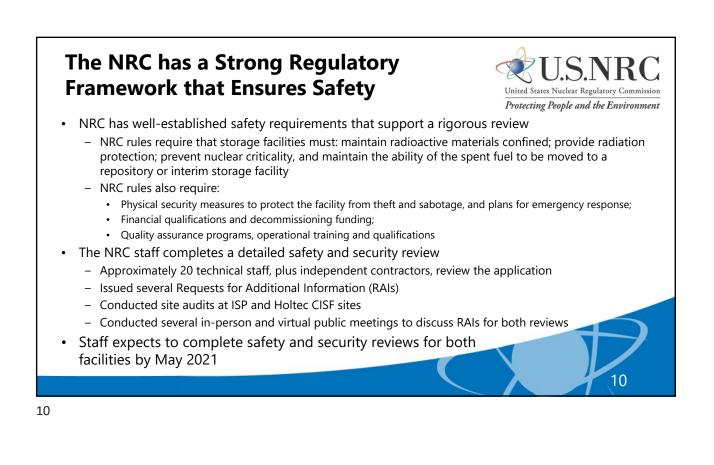
Interim Storage Partners, LLC (ISP) CISF – Andrews, Texas

- License application submitted to NRC on April 28, 2016; temporarily suspended in April 2017, restarted in August 2018
- ISP, LLC as applicant; joint venture between WCS and Orano CIS LLC (a subsidiary of Orano USA), site located near the WCS LLW site in Andrews, TX
- Initial application for 40-year license to store 5,000 MTU of commercial spent fuel; future plans to expand to 40,000 MTU
- Proposed facility to use several different above-ground dry storage cask systems









NRC's Environmental Review



- NRC regulations in 10 CFR Part 51 implement the National Environmental Policy Act (NEPA)
- NRC must prepare an Environmental Impact Statement (EIS) for an away-from-reactor CISF
 - EIS is a comprehensive assessment of the environmental impacts of the proposed action
 - NEPA process provides opportunities for public participation (input to EIS scope, comment on draft EIS)

• Scoping

- Holtec: five in-person meetings, one webinar; ISP: four in-person meetings, two webinars
- Outreach to local governments, emergency responders, county councils, school districts, Federal partners, etc.
- Draft EIS public review and comment
 - Holtec's draft EIS on March 9, 2020; six-month public comment period; 6 webinars
 - ISP's draft EIS on May 4, 2020; six-month public comment period; 4 webinars
- Final EISs for both facilities expected by July 2021

| Resource Areas Evaluated in the EIS | | | United States Nuclear Regula Protecting People and the | |
|------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| Land Use | Noise | | | |
| Transportation | Historic and Cultural | | IMPACT SIGNIFICANCE LEVELS NUREG 1748 | |
| Geology and Soils | Visual and Scenic | | SMALL – Environmental effects are not detectable or are so minor that they will neither destabilize nor noticeably alter any important attribute of the resource. MODERATE – Environmental effects are sufficient to alter noticeably, but not to destabilize, important attributes of the resource. LARGE – Environmental effects are clearly noticeable and are sufficient to and the sufficient to the sufficient | |
| Surface Water | Socioeconomic | | | |
| Groundwater | Environmental Justice | | | |
| Ecology | Public and Occupational Health | | | |
| Air Quality | Waste Management | | | |
| | | | destabilize important attributes of the resource. | |
| tional Historic Preservat Endangered Species A Outre | d in the Environmental Review: ion Act, Section 106 Consultation Act, Section 107 Consultation ach Activities perating Agencies | | | |

NRC Adjudicatory Hearing

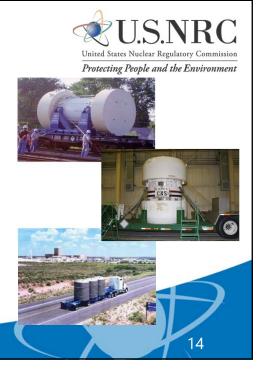


Protecting People and the Environment

- NRC provides an opportunity to request an adjudicatory hearing before a 3-judge licensing board of NRC's Atomic Safety and Licensing Board Panel (ASLBP)
 - ASLBP is an independent adjudicatory arm of NRC; conducts hearings for the Commission
 - To be granted, hearing petitions must contain at least one admissible contention; must demonstrate standing
- Status of Holtec Adjudicatory Hearing:
 - Board received 6 hearing petitions; approximately 46 separate contentions
 - No contentions were admitted; one appeal as well as new contentions filed after the initial deadline are pending before the Commission
 - One appeal to U.S. Court of Appeals is also pending
- Status of ISP Adjudicatory Hearing:
 - Board received 4 hearing petitions; approximately 40 separate contentions
 - One contention was initially admitted (contention of omission) and later dismissed as moot
 - Commission denied all appeals and referred one new proposed contention to ASLB for admissibility determination
- NRC rules allow staff to issue final licensing decision while appeals are pending before the Commission

NRC's Spent Fuel Transportation Responsibilities

- Transportation of radioactive materials is conducted in accordance with International Atomic Energy Agency (IAEA) standards established in 1961
 - Adopted by almost all international transport organizations and Member States as the basis for their national regulations, including the U.S.
 - Applicable to national and international transport of radioactive material by all modes of transport
 - NRC and DOT regularly harmonize domestic regulations with IAEA standards
- NRC and U.S. Department of Transportation co-regulate transportation of commercial spent fuel
 - NRC/DOT Memorandum of Understanding lays out the agencies' responsibilities for safety of radioactive materials transportation
 - DOT regulates carriers, modes of transport (rail, road, air, water)
 - NRC establishes design standards for spent fuel transportation packages
- NRC regularly meets with Federal, State, and Tribal government partners to discuss radioactive material transportation



NRC's Spent Fuel Transportation **Responsibilities (cont.)**

- Under NRC regulations, any entity licensed to possess commercial spent fuel is granted a general license to transport licensed material in an NRC-approved package
- NRC has a robust framework for the regulation of spent fuel transportation
 - NRC establishes regulations for:
 - Package design standards for transportation of spent fuel
 - Physical security requirements for transportation of spent fuel
 - NRC evaluates, approves, and authorizes for use transportation package designs; issues certificates
 - NRC approves routes and security plans for shipment of commercial spent fuel
 - NRC requires licensees to notify and coordinate with States, Tribes, and local law enforcement prior to shipments
 - NRC inspects and oversees certificate holders, package fabricators, and licensee shippers
- Spent fuel has been transported in the U.S. for decades and the risk associated with transportation is low



