



Consolidated Interim Storage

June 2019



**INTERIM STORAGE
PARTNERS**

About the CISF

WHY? Our values

- ✓ Many Benefits including reducing the taxpayer burden for management of used fuel by providing a **safe, reliable interim** used fuel storage solution centered on consolidated storage.

HOW? A vision

- ✓ ISP's CISF: offers a **viable path forward** that can be the 1st step to pave the way for a **prudent solution** for used nuclear fuel



WHAT? An opportunity

- ✓ Because nuclear power is essential to the health of our citizens, the **prosperity of our nation** and the survival of our planet
- ✓ Because safe, used fuel storage is **critical to the future** of the nuclear industry, and thus critical to the future of our nation

Consolidation Benefits

- Elimination of multiple secluded ISFSIs
- **Complementary** to a national repository
- Investment in safety, security and maintenance
- **Elimination of management costs** and support functions for multiple ISFSIs
- Communities at shutdown sites will be able to repurpose or monetize property
- Economic benefits to hosting CISF community
- Transportation assets can be re-used for transport to final repository
- **Minimize Taxpayer liability** for dry fuel storage



CISF reduces both Cost and Risk

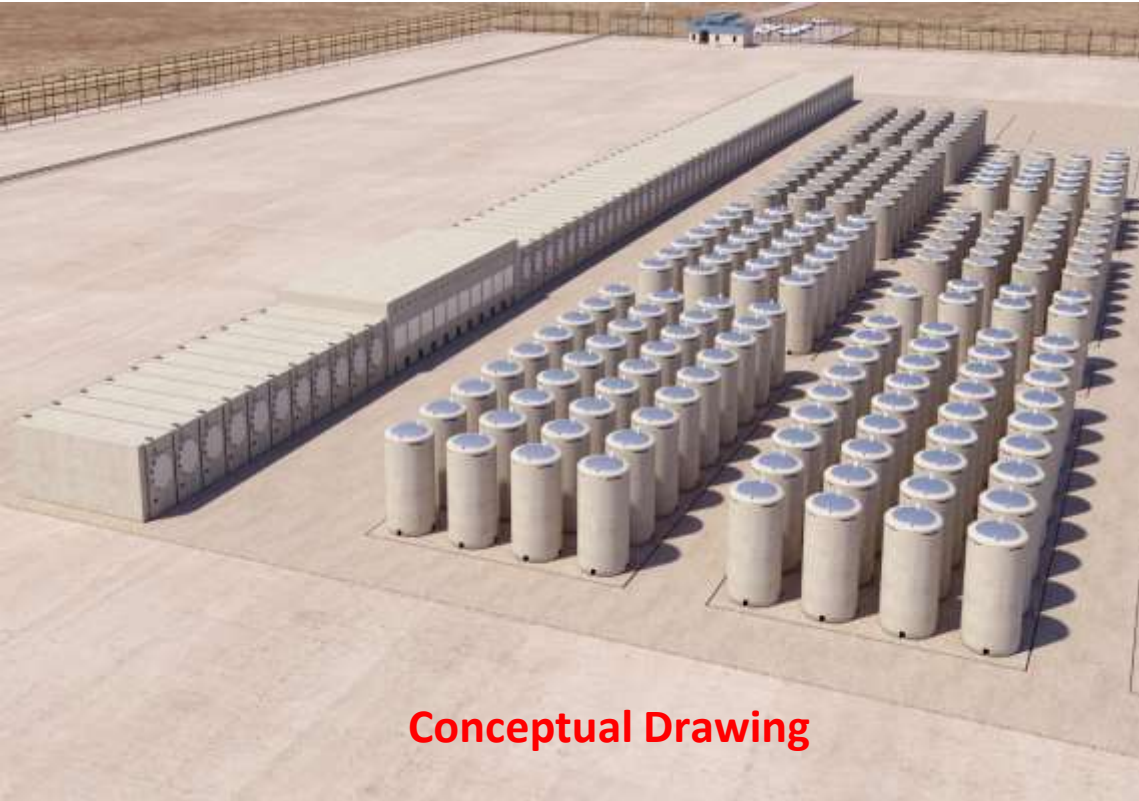
Project Update

- Interim Storage Partners LLC, a JV between WCS and Orano, established in 2 QTR 2018.
- **NAC International and Orano TN** are the DFS Technology providers.
- Project Environmental impacts analyzed with storage of **40,000 MTHM in canisterized storage systems**.
- 8 separate phases; storage of up to 5,000 MTHM in each phase.
- **License for 40 years** with renewals of up to 40 years each.
- Initial SAR includes selected NAC International and TN NUHOMS® canisterized storage systems which prioritize shutdown sites.



Phase 1 will be populated with Fuel that is or will be ready for near term Transportation to West Texas

License Application



Conceptual Drawing

- License application **submitted on April 28, 2016.**
- Completed RSI responses July through Dec 2016
- The NRC started review of the Environmental Impact Statement (NEPA) during the review of the RSI responses.
- **NRC Accepted for Review in 1 QTR 2017**
- Review Suspended in 1 QTR 2017
- Restart requested **June 8, 2018.**
- NRC meeting to discuss the Emergency Plan, August 29.
- Security RAIs received in Nov 2018
- First part of RAI round 1 received Nov 2018,
- Part 2 of 2 of Round 1 RAIs received March 2019
- Public meetings with NRC to discuss RAI responses April 2019
- Environmental RAIs received April 2019



RAIs responses underway, ISP responded to the first slice of round 1 in May 2019. NRC Review scheduled to be complete Aug 2020.

License Application

Priority on currently licensed systems for shutdown sites:

NAC International

- Maine Yankee
- Connecticut Yankee
- Yankee Rowe
- La Crosse
- Zion

Orano TN NUHOMS[®]

- Rancho Seco
- SONGS Unit 1
- Millstone Unit 1
- Oyster Creek* (S/D scheduled 2019)

* Fuel burned less than 45 GWd/MTU

Indicates a “stranded” (ISFSI only) site identified in the 2012 Final Report of the “Blue Ribbon Commission on America’s Nuclear Future” (BRC)



Initial license application targets shut down reactors with fuel that is ready to transport today.

Request for Additional Information (RAI)

Round 1 Part 1

- ISP has received 81 RAIs that make up RAI Round 1, Part 1
- Responded to 17 Security RAIs 1/7/2019, remainder will be submitted in June
- A few Part 1 RAI held over to Part 2 due to overlap in NRC requests
- Balance of the responses submitted in May 2019

RAI	Non Proprietary	Proprietary / SGI	Total
Site Characteristics	11	6	17
Materials	12	3	15
Emergency Plan	20		20
Security		28	28
		Total	80

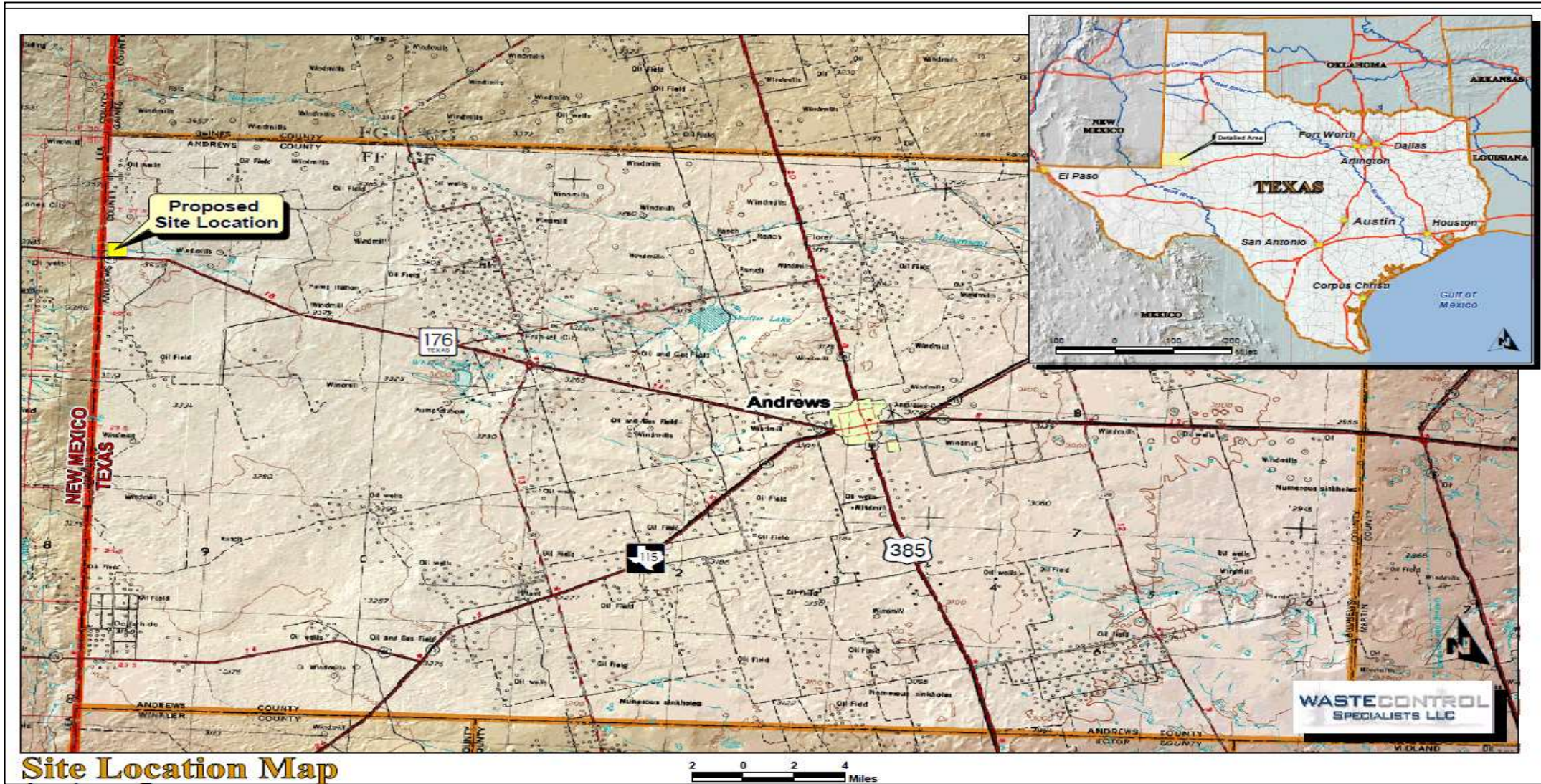
Request for Additional Information (RAI)

Round 1 Part 2 and Part 3

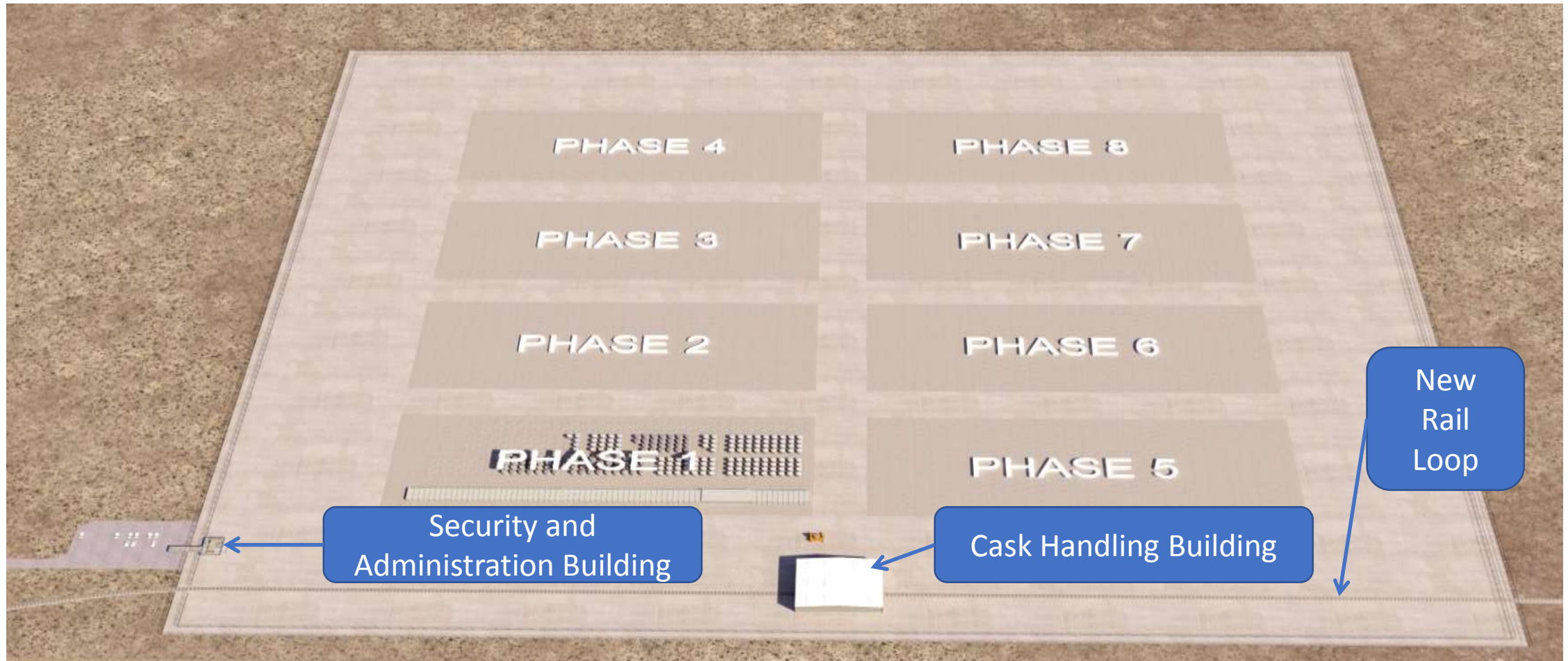
- Part 2 of Round 1 RAIs received March 2019.
- Part 3 ER RAIs received in April 2019
- Part 2 and 3 RAI responses will be submitted beginning this summer, Complete in January 2020.

RAI	Non Proprietary	Proprietary / SGI	Total
CHB / Site	9	0	9
CISF Startup	3	0	3
DFS Technology	81	14	45
Insurance	1	0	1
Radiation Protection	6	0	6
Part 3 ER RAIs	63	0	63
Total	163	11	174

CISF Site Overview



Pad Layout for CISF



Conceptual Drawing

Thorough Environmental Characterization

- Environmental Impacts have been extensively analyzed in the region.
 - TCEQ conducted environmental reviews supporting issuance of LLW licenses.
 - NRC prepared an EIS for adjacent URENCO USA.
- Proposed approach ensures cumulative environmental impacts are analyzed.



Rail Lines

- **The site already has the infrastructure to support transportation of heavy loads.**
- Rail lines upgraded to support shipments of steam generators 204 MT (450,000 lbs).
- Four steam generators were barged to Houston, TX, transferred to rail line and transported to WCS disposal facility.



**Rail lines to WCS ready for heavy loads –
no need for new rail lines off property.**

WCS Visitor Center Grand Opening

- Opened June, 2018 in Andrews, Texas

