



# What's New in the TCEQ Radioactive Materials Program

## Texas Environmental Trade Fair & Conference 2024

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Radioactive Materials Division  
Office of Waste

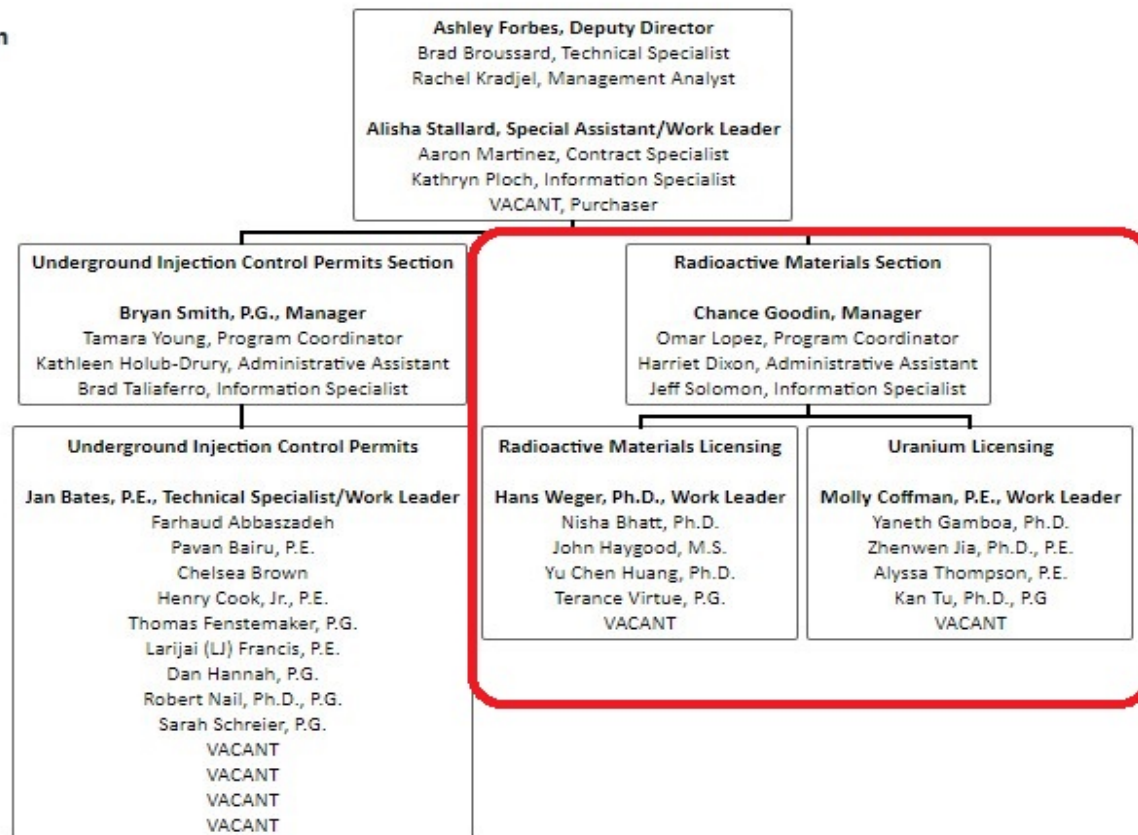
# Outline of Presentation

- Radioactive Materials Organization Chart
- LLRW Disposal, Storage, & Processing Sites
- Uranium Recovery Sites
- Uranium Mining Outlook for the State of Texas
- Posting Pending Applications



**Office of Waste  
Radioactive Materials Division**  
April 2024 (FY24)

## Organization Chart



# Ascend Performance Material

- Alternative Radioactive Waste Disposal at the Chocolate Bayou Plant in Brazoria County
- Active
- Currently no pending applications for Ascend

# Nuclear Sources & Services Incorporated (NSSI)

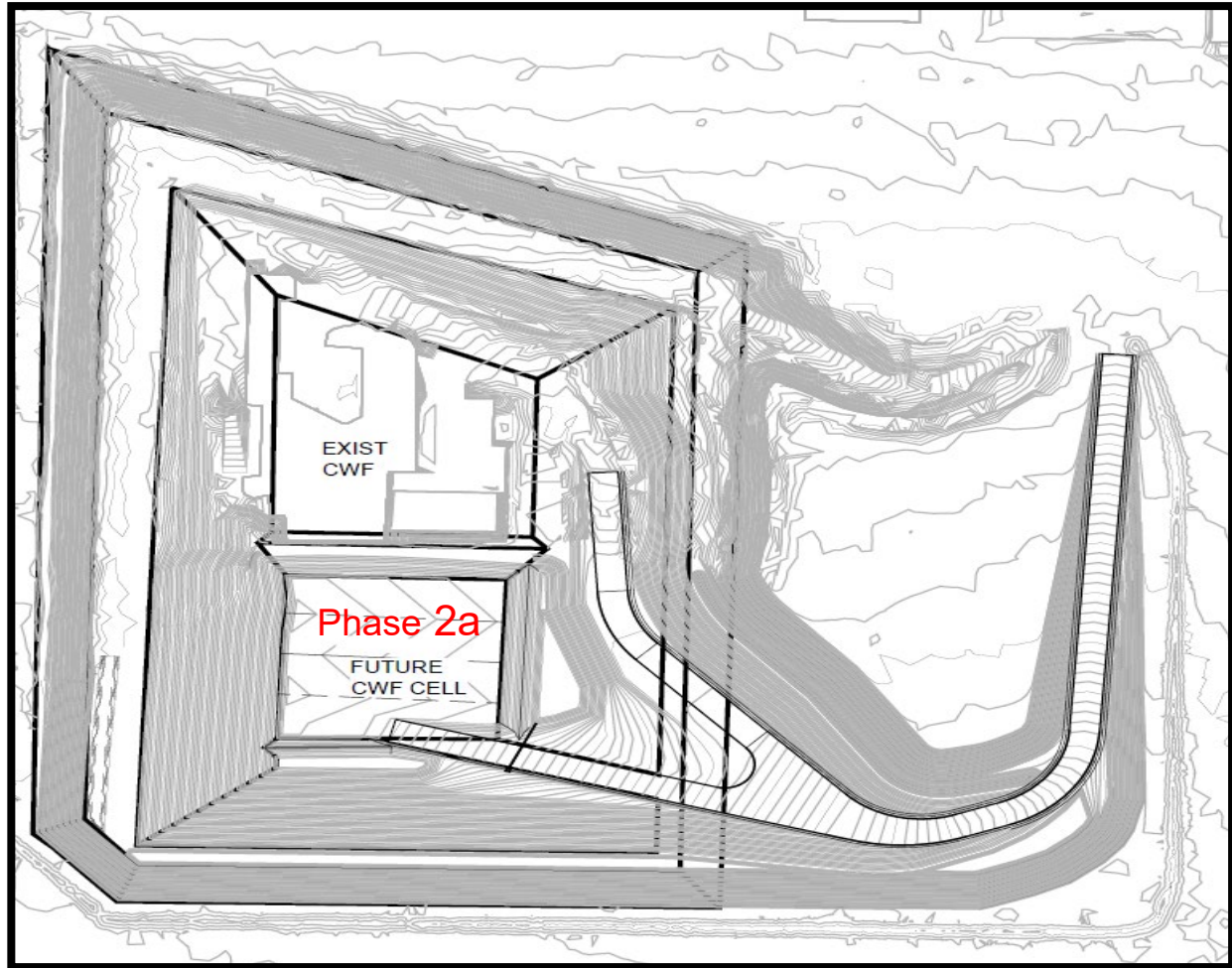
- Storage & Processing facility in Houston (Harris County)
- Active
- Renewal application for NSSI is under technical review



# Waste Control Specialists

## Compact Waste Facility Expansion

- Construction of CWF Expansion (Phase 2a)
  - Approved in 2014 major license amendment
  - Completed in December 2023



# Waste Control Specialists

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## LANL Transuranic Waste

- U.S. Department of Energy's Waste Isolation Pilot Plant (WIPP) in New Mexico
  - Incident in 2014
  - Transuranic Waste from Los Alamos National Laboratory (LANL TRU) waste diverted to WCS FWF for temporary storage
- License amended in January 2024 to move LANL TRU waste from FWF to on-site storage facility
- Waste is now stored in on-site storage facility and ready for offsite transport and disposal at the WIPP



# Waste Control Specialists

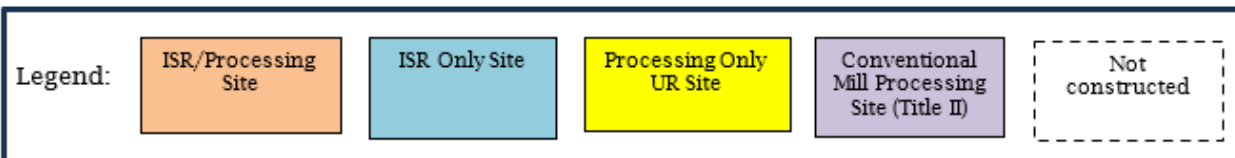
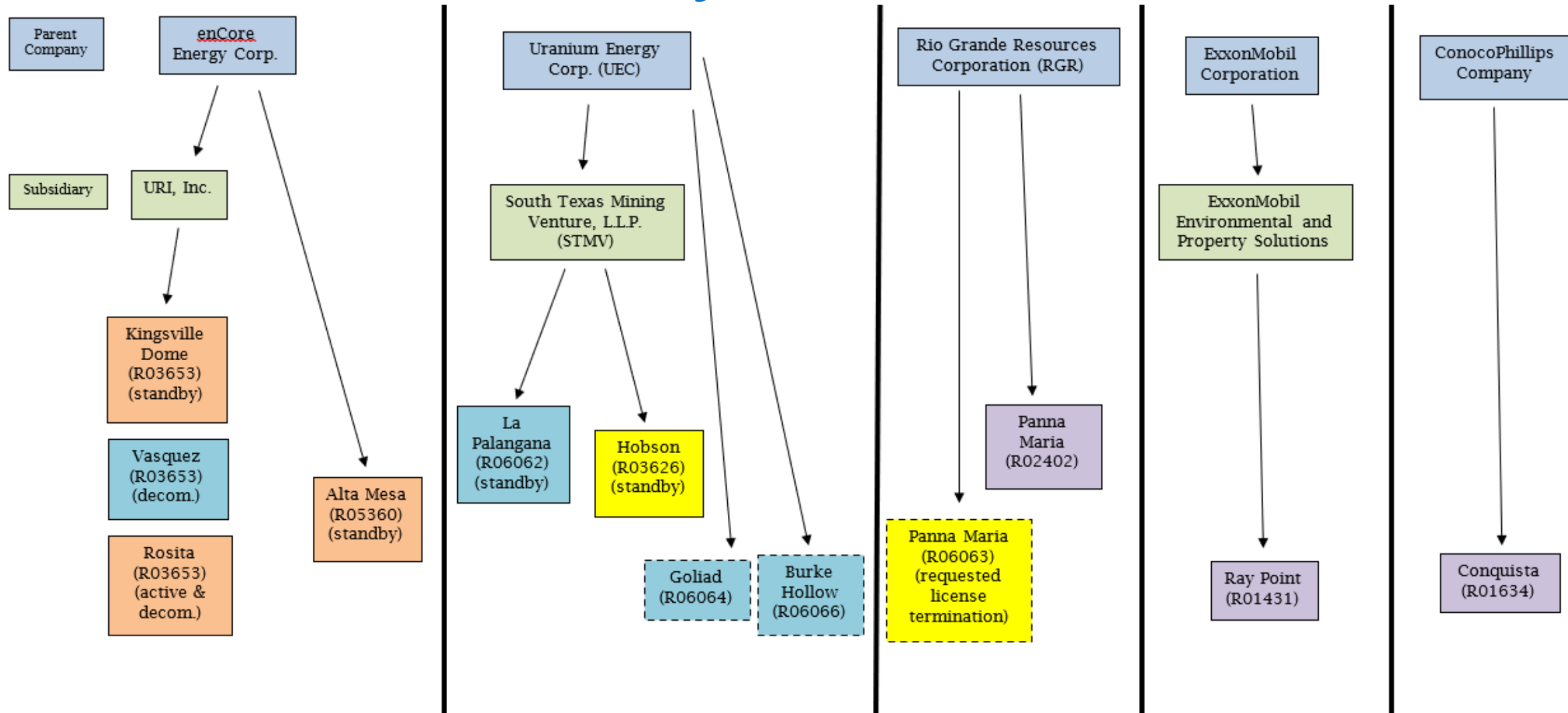
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## License Renewal

- Renewal Application
  - Received August 25, 2023
  - Administrative Review Complete
  - Under Technical Review
  - No new amendments are in renewal application
  - License renewal will authorize operation for ten years



# Overview of Uranium Recovery Sites in Texas



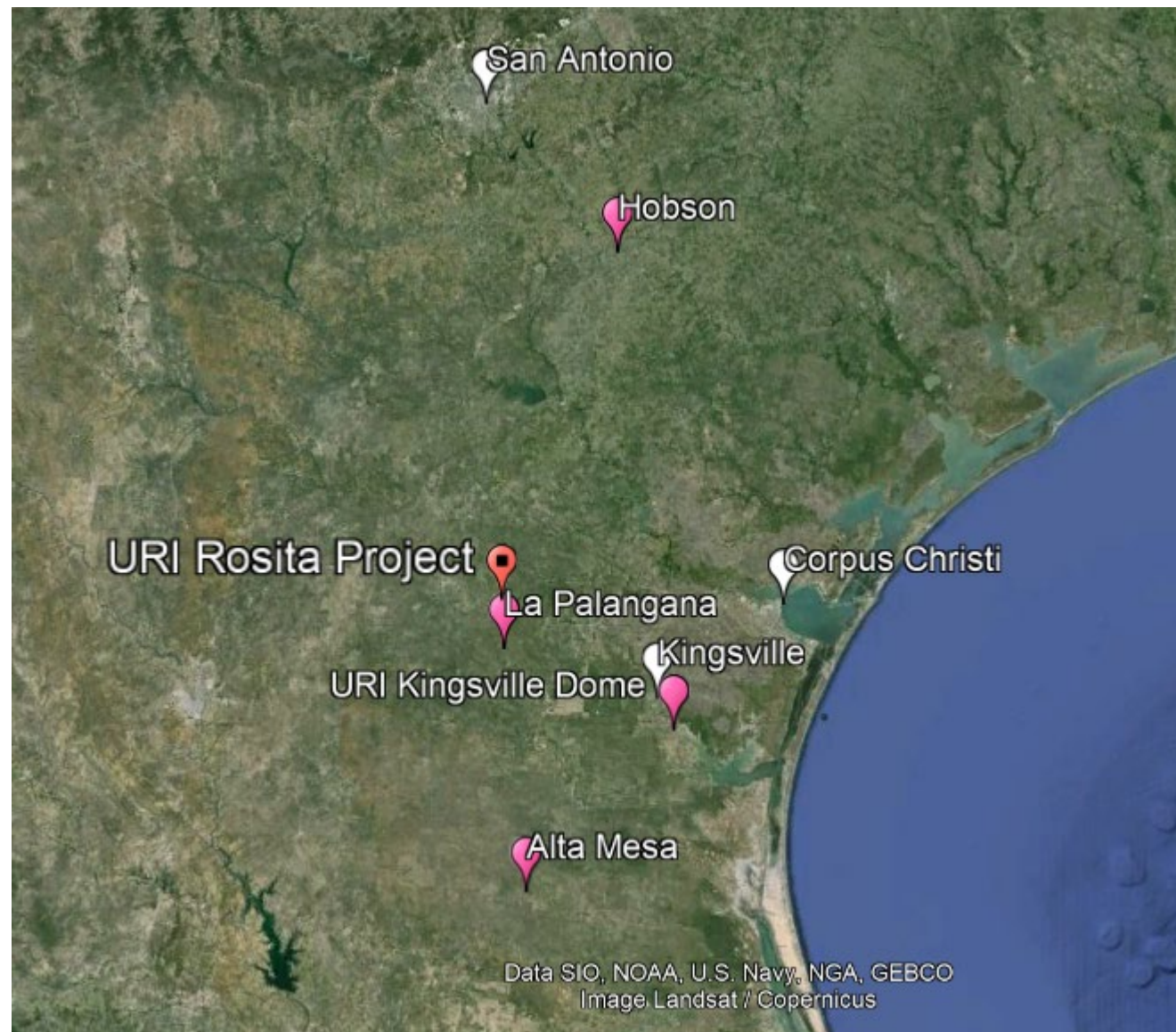
# Uranium Mining in Texas

## Sites currently producing

- URI Rosita (PAA 5)

## Sites in standby

- STMV Hobson (processing only)
- STMV La Palangana
- URI Kingsville Dome
- enCore Alta Mesa





# Uranium Mining Decommissioning in Texas

## Sites under decommissioning:

- URI Rosita (PAAs 1 and 2)
- URI Vasquez

## Licensed Title II Sites to be transferred to DOE for long-term care:

- Conoco Phillips Conquista
- ExxonMobil Ray Point
- RGR Panna Maria



# Uranium Mining Sites Licensed in Texas

## Sites licensed but not constructed:

- UEC Burke Hollow
- UEC Goliad Project
- RGR Panna Maria (requested license termination)





# Uranium Mining Sites Released for Unrestricted Use in Texas

- Everest Exploration/South Texas Mining Venture - Mt. Lucas Project (In-Situ Leach Recovery). Approved by NRC in **2014**
- Everest Exploration/South Texas Mining Venture - Tex-1 Project (ISL Recovery). Approved by NRC in **2013**
- Uranium One USA - O-Hern Project (ISL Recovery). Approved by NRC in **2013**
- Uranium One USA - Holiday/El Mesquite Project (ISL Recovery). Approved by NRC in **2013**
- IEC Lamprecht/Zamzow (ISL Recovery) (State-lead). Approved by NRC in **2023**



# Licensing Actions

## Completed Actions

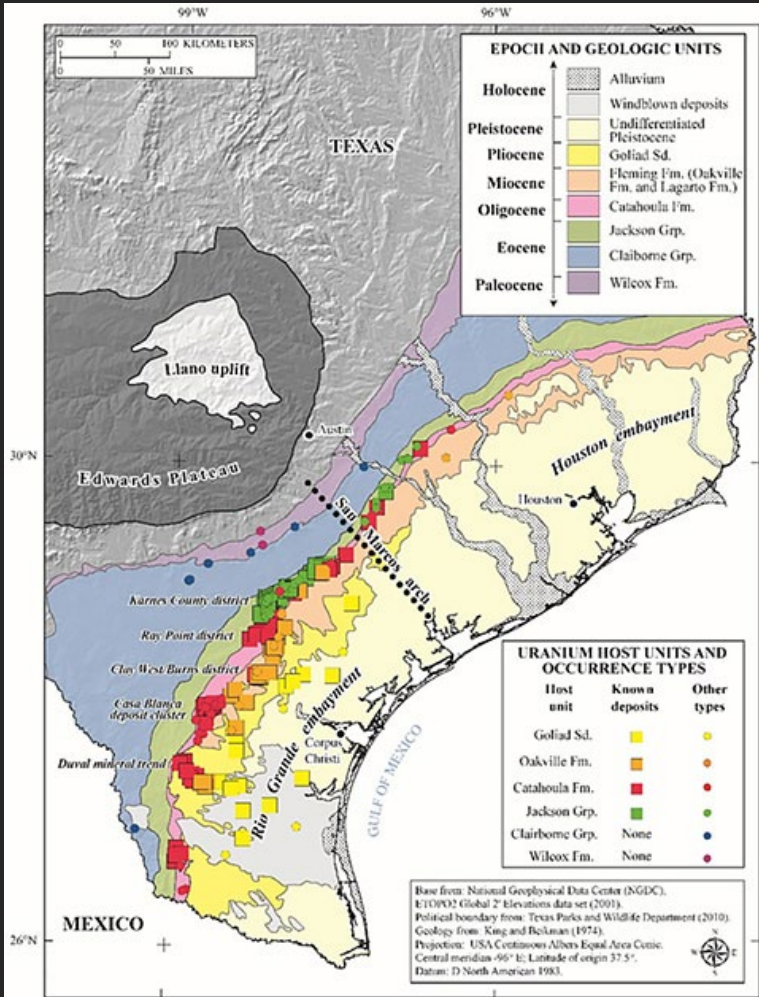
Facility	Action	Date
Goliad	Renewal issued	3/14/2024
Kingsville Dome/ Rosita/Vasquez	Renewal issued	11/02/2023

## Current Actions

Facility	Action
La Palangana	Renewal
La Palangana	Minor Amendment
Ray Point	Draft CRR in progress
Alta Mesa	Updated Renewal
Alta Mesa	Major Amendment
Conquista Project	Major Amendment
Upper Spring Creek	Major Amendment



# Uranium Mining Outlook for the State of Texas



TCEQ has contracted Texas A&M Kingsville, led by Dr. Matthew Alexander, to produce a report providing a comprehensive study on the uranium deposits in Texas. The study will:

- Evaluate existing and potential future sources of uranium in the state
- Evaluate the economic potential for utilizing those deposits to lessen the United States' reliance on foreign sources of uranium
- Provide recommendations for strategies, legislative or regulatory changes, potential economic incentive programs, and public health and safety best practices to support the state's uranium mining industry

## KEY DATES

- September 2023 – Notice to Proceed
- April 2024 – First Section Due: *Evaluation of Existing Uranium Resources*
- July 2024 – Second Section Due: *Evaluation of Future Uranium Mining*
- September 2024 – Third Section Due: *Economics and Incentives for Uranium Mining*
- November 2024 – Final Full Report Due
- December 2024 – TCEQ to provide report to state legislature

# Applications on TCEQ Website

- **NEW** Beginning June 1, 2024, an electronic copy of administratively complete applications will be made publicly available on the Agency's Website.
- Including new, renewal, or major amendments
- Additionally, per Title VI requirements, applicants are required to publish notice and provide plain language summaries for applications declared administratively complete on or after May 1, 2022.



# Questions?

# Contact Information

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