



TECHNICAL EXCELLENCE. NEAR-TERM PRODUCTION.

Uranium Recovery by Heap Leaching Methods

In

Arizona

New Mexico

Wyoming

Uranium Energy Corp

6100 Indian School Rd NE, Suite 225

Albuquerque, NM 87110

(505) 830-7707

Properties Under Consideration



⊕ Arizona

- ⊕ Maricopa & Yavapai County
 - ⊕ Los Cuatros Project
 - ⊕ Volcanic Lakebed Sediments

⊕ New Mexico

- ⊕ Cibola County
 - ⊕ Grants Ridge Project
 - ⊕ Todilto Formation
 - ⊕ Cebolleta Project
 - ⊕ Morrison Formation

⊕ Wyoming

- ⊕ Natrona County
 - ⊕ Burnt Wagon Project
 - ⊕ Wind River Formation



Grants New Mexico Property





Uranium Energy Corp

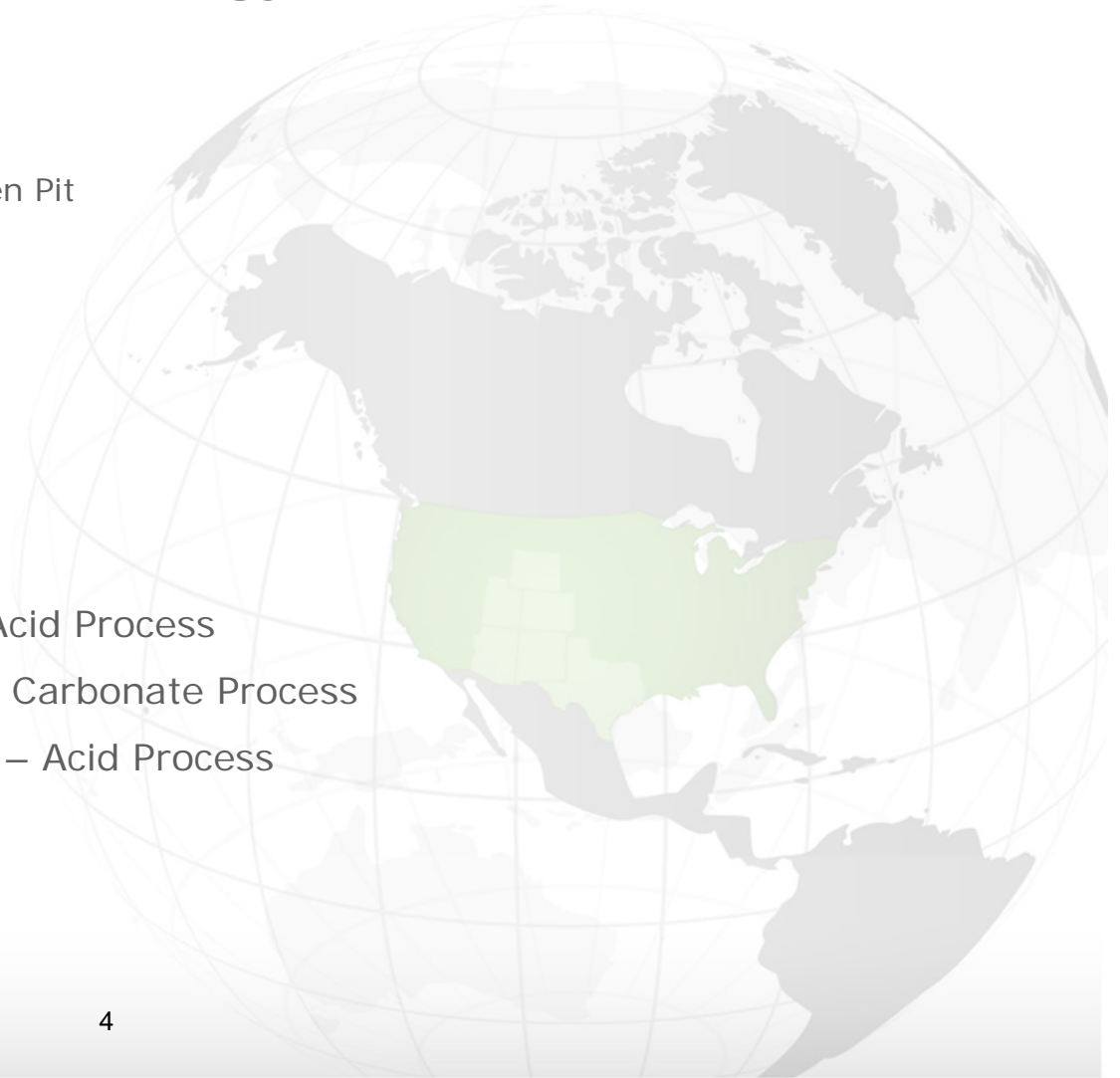
TECHNICAL EXCELLENCE. NEAR-TERM PRODUCTION.

Natrona County Wyoming Property



Technology

- ⊕ Conventional Mining
 - ⊕ Arizona – Open Pit
 - ⊕ New Mexico – Underground/Open Pit
 - ⊕ Wyoming – Open Pit
- ⊕ Processing
 - ⊕ Heap
 - ⊕ 5-10 Acres Per Cell
 - ⊕ 20 Feet – Maximum Height
 - ⊕ Selective Placement Of Ore
 - ⊕ 12-24 Month Leach
 - ⊕ Arizona Volcanics – Carbonate/Acid Process
 - ⊕ New Mexico Todilto Formation – Carbonate Process
 - ⊕ Wyoming Wind River Formation – Acid Process

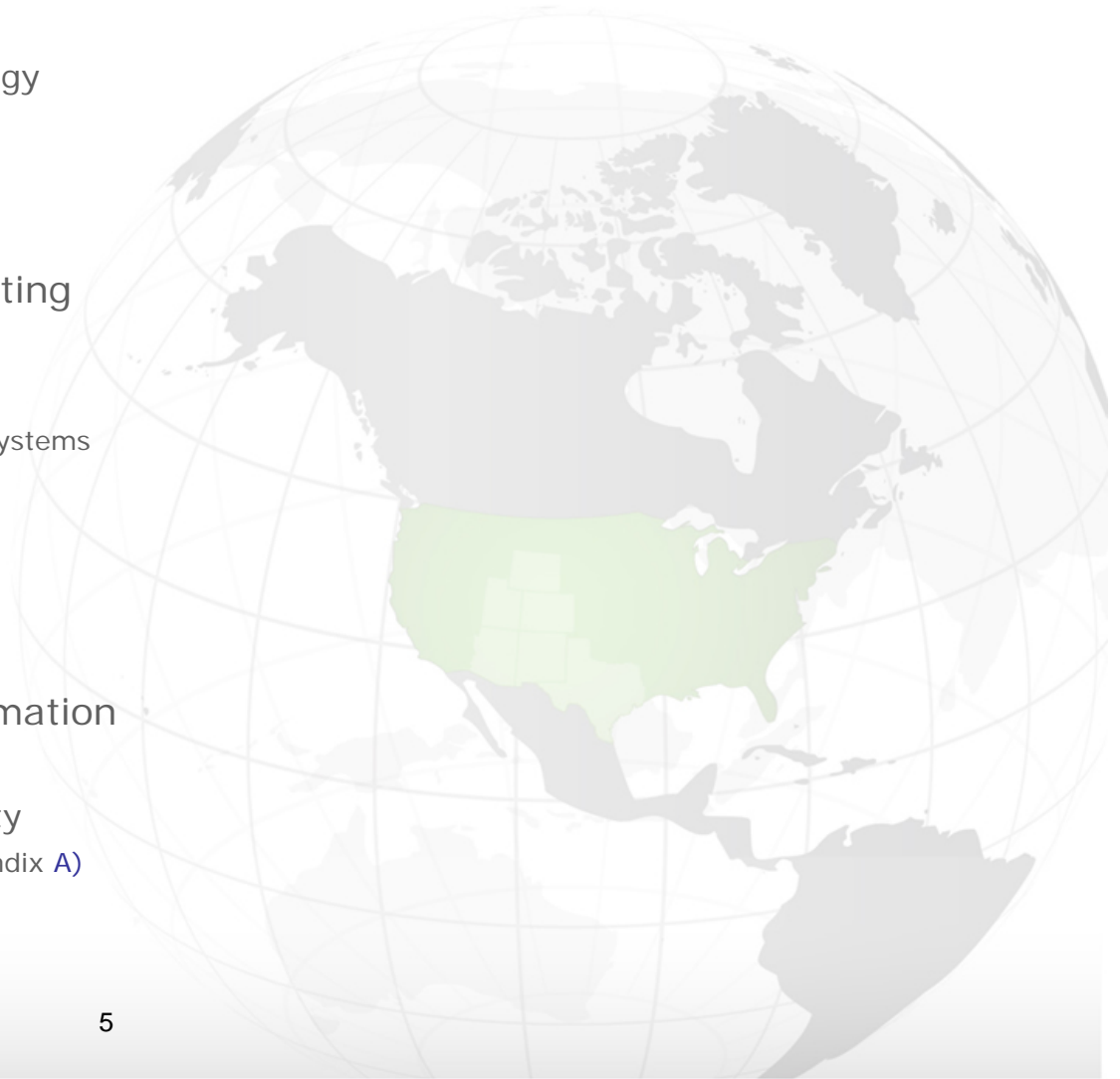


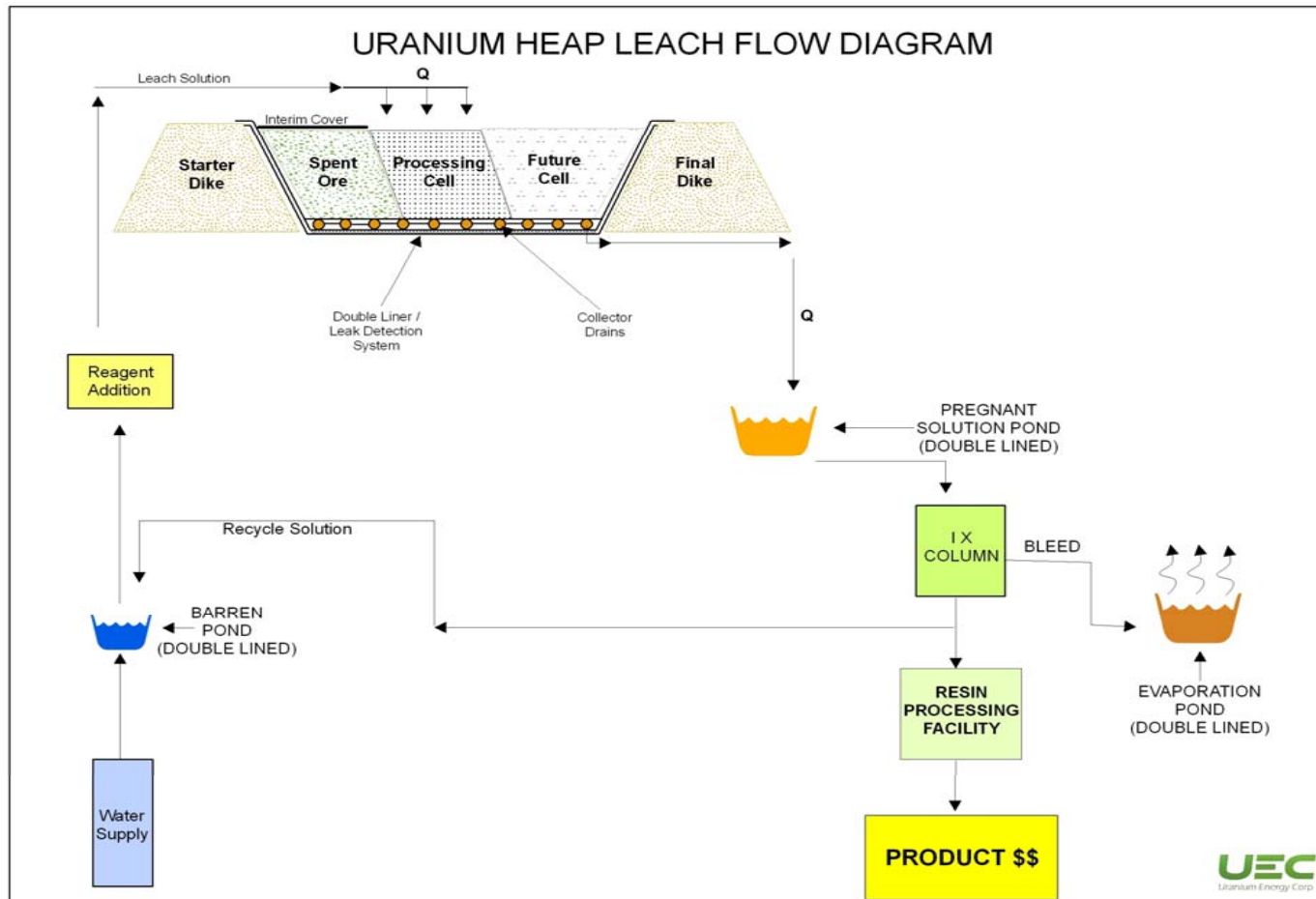


Uranium Energy Corp

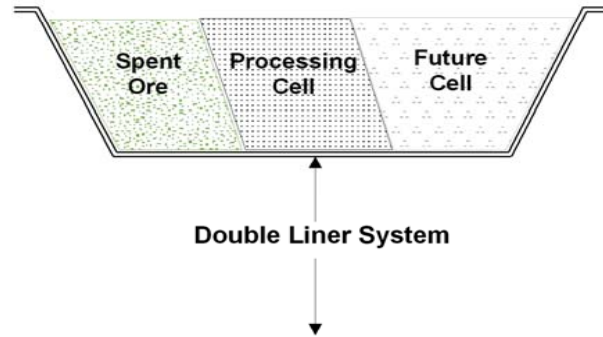
TECHNICAL EXCELLENCE. NEAR-TERM PRODUCTION.

- ⊕ Ion Exchange
 - ⊕ Portable Resin Column Technology
- ⊕ Stripping/Drying/Packaging
 - ⊕ On-Site
 - ⊕ Off-Site
- ⊕ Environmental Controls – Operating
 - ⊕ Groundwater Containment
 - ⊕ Heap and All Impoundments
 - ⊕ Double Synthetic Liner Systems
 - ⊕ Leak Detection Systems
 - ⊕ Monitoring Wells
 - ⊕ Air Emissions (NESHAPS)
 - ⊕ Fluids on Surface
 - ⊕ Interim Covers
- ⊕ Environmental Controls – Reclamation
 - ⊕ Reclaim as 11(e.2) Materials
 - ⊕ Radon Control & Surface Stability
 - ⊕ 40 CFR 192 & 10 CFR 40 (Appendix A)





Heap Leach and Pond Liner



Primary Liner (80 Mil HDPE)

Geonet Leak Detection Layer

40 mil PVC Secondary Liner

Geofabric

Compacted Subgrade (95% ASTM D-698)



Uranium Energy Corp

TECHNICAL EXCELLENCE. NEAR-TERM PRODUCTION.

Regulatory Agencies

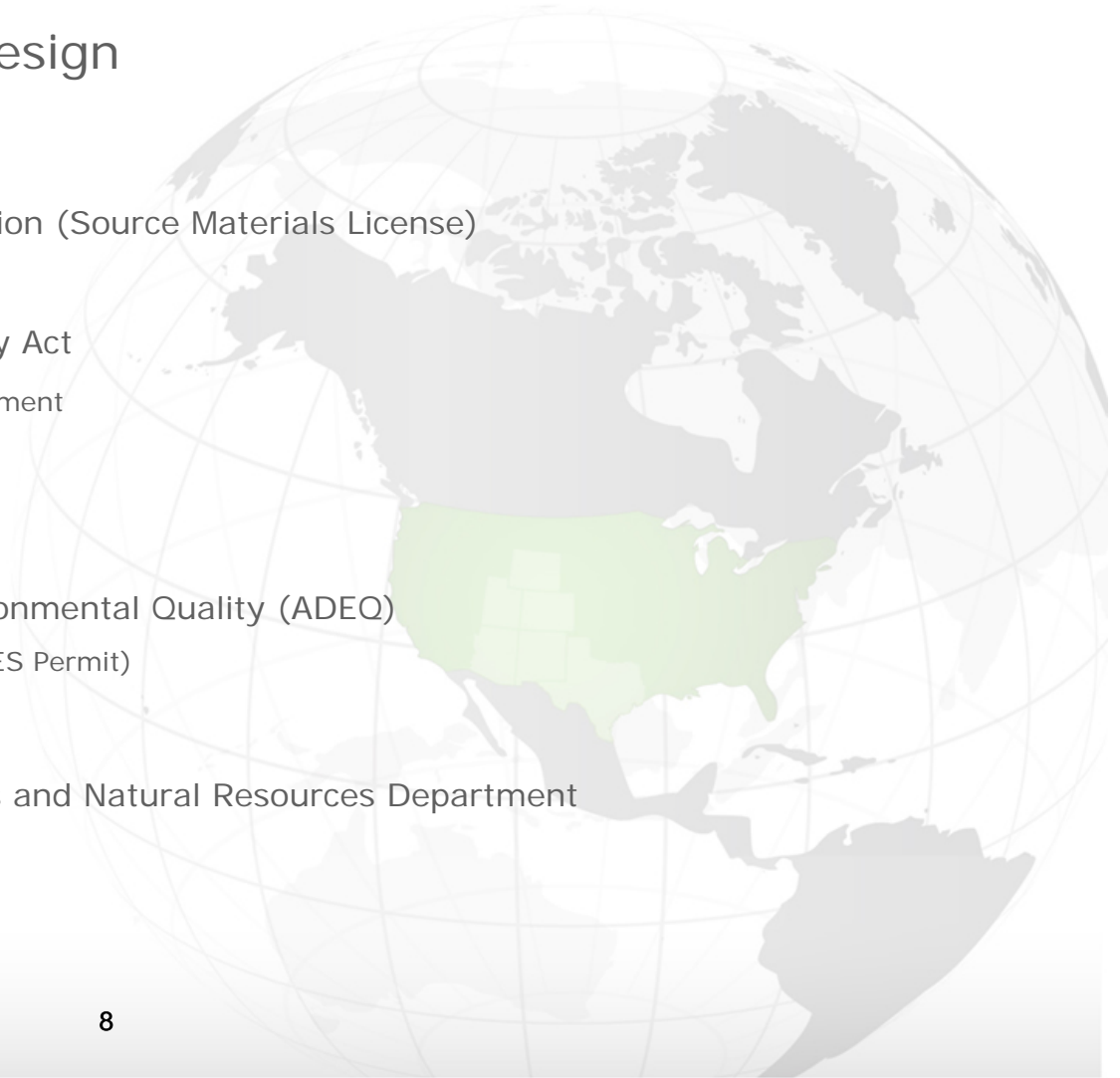
Site Selection – Facility Design

Federal

- ⊕ Nuclear Regulatory Commission (Source Materials License)
 - ⊕ 10 CFR Part 40 Appendix A
- ⊕ National Environmental Policy Act
 - ⊕ Environmental Impact Statement

State

- ⊕ Arizona
 - ⊕ Arizona Department of Environmental Quality (ADEQ)
 - ⊕ Water Quality Division (AZPES Permit)
- ⊕ New Mexico
 - ⊕ New Mexico Energy, Minerals and Natural Resources Department (EMNRD)
 - ⊕ Mining Permits





Uranium Energy Corp

TECHNICAL EXCELLENCE. NEAR-TERM PRODUCTION.

- ⊕ New Mexico Environment Department (NMED)
 - ⊕ Groundwater Discharge Permit (NPDES)
 - ⊕ Storm Water Permit
 - ⊕ Surface Water Permit
- ⊕ Office of State Engineer
 - ⊕ Drilling
 - ⊕ Disposal Wells
 - ⊕ Mine Dewatering
- ⊕ Wyoming
 - ⊕ Wyoming Department on Environmental Quality (WDEQ)
 - ⊕ Land Quality Division
 - ⊕ General Mine Plan
 - ⊕ Water Quality Division
 - ⊕ Groundwater Discharge Permit (NPDES)
 - ⊕ Surface Water Permit

