

*License Termination at a
Superfund Site
A Joint Partnership*

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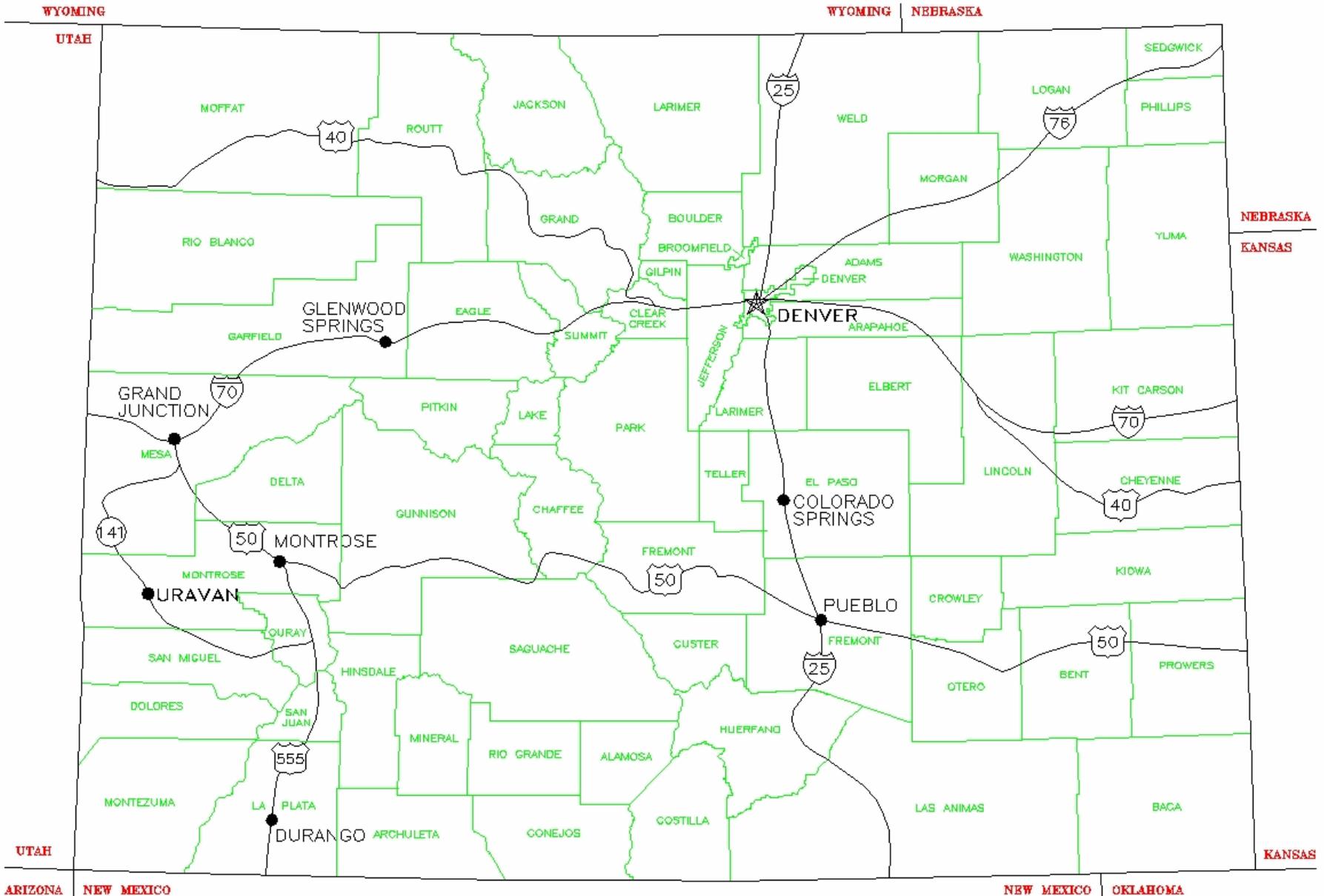
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Partnership Advantages

- Increase effective communication between industry and governmental agencies
- Understand agency processes and agency needs
- Determine the involvement and interrelationship of various agencies
- Identify possible road blocks for delisting of the site and termination of the radioactive materials license
- Meet community needs by interaction with community leaders

Location Map



Uravan Superfund Site



History

- 1914 Radium Production
- 1929 Vanadium Production
- 1940-1945 Uranium Production for Manhattan Project
- 1948-1984 Uranium Production for AEC's Weapons Program and Power Plants : 10.5 MM tons
- 1983 State of Colorado filed suit against Union Carbide for Natural Resource Damages
- 1987 Remedial Action Plan Implemented
 - Negotiated Settlement Reached
 - Remedial Construction Began

Project Scope

- Evaluation of over 1600 acres of potentially affected land.
- Removal and disposal of 3,000,000 cubic yards of radioactive waste from over 400 acres.
- Collection and evaporation of over 250,000,000 gallons of contaminated seepage and groundwater.
- Construction of 4 repositories designed to isolate over 13,000,000 cubic yards of radioactive waste for 1,000 years.
- Total reclamation cost: \$120,000,000

Delisting and License Termination Process

- Form Site Closure Committee
 - Identify Participating Regulatory Agencies
 - Prepare Committee Charter
- Prepare Process Flow Chart
 - Determine Regulatory Needs
 - Assess Project Activities
 - Define and Establish Regulatory Interrelationships
 - Determine Key Site Closure Activities
- Develop Committee Work Activities and Set Action Items

Uravan Site Closure Committee

- Partners: Umetco, EPA, BLM, DOE, CDPHE, Judge Dana (Special Master) and Leo Large (County Commissioner). NRC is an ad hoc participant.

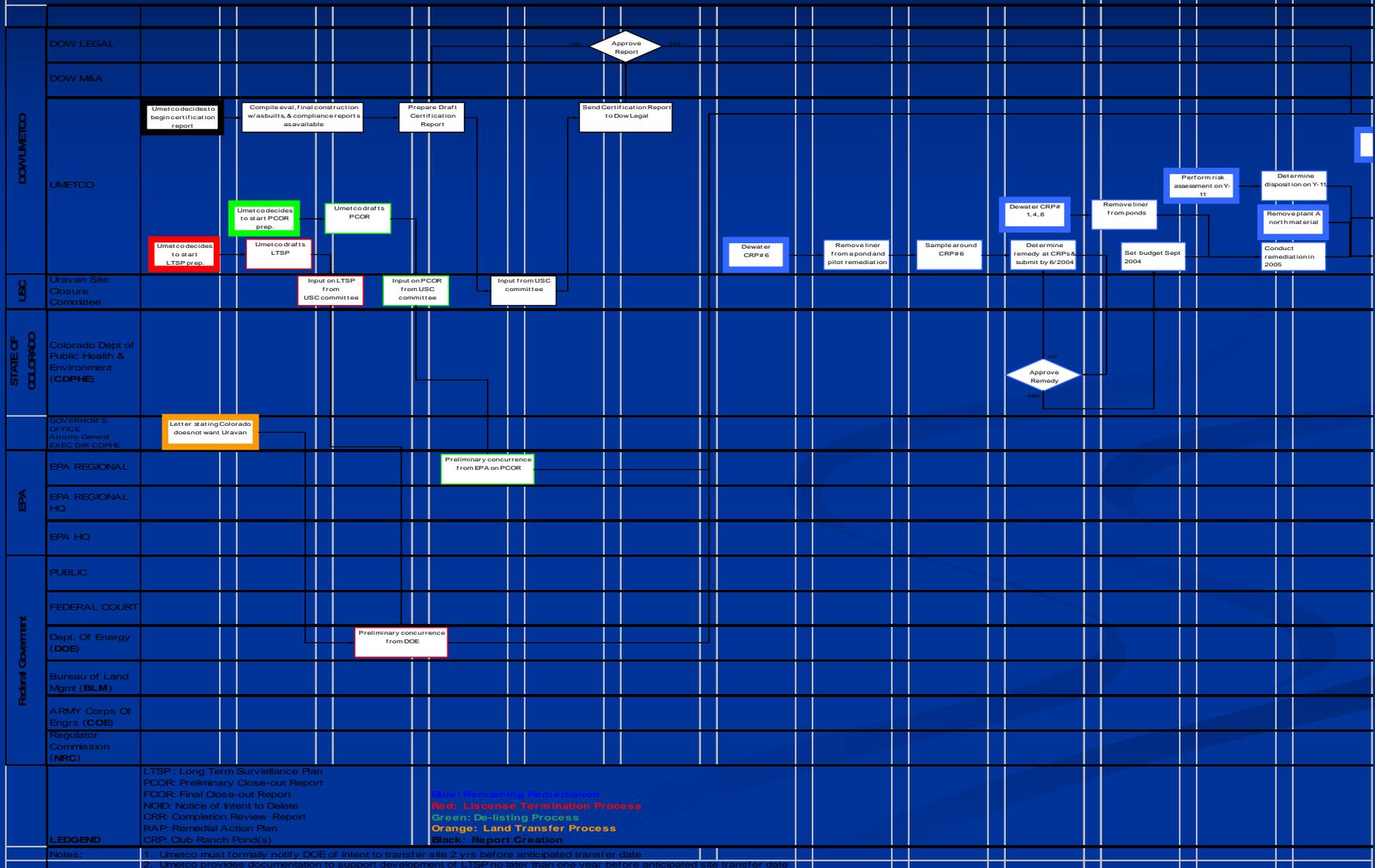
- Charter:

The Committee exists to close the Uravan site in a timely and efficient manner consistent with the Uravan Consent Decree and applicable regulations by:

- *Clearly understanding each organization's internal processes and needs for Uravan deletion, license termination, and land transfer.*
- *Minimizing delays to deletion, termination, and land transfer process by identifying agency requirements for the Uravan site.*
- *Providing a vehicle for ongoing discussions and clarification throughout the deletion, termination, and land transfer process.*

Process Flow Chart

URAVAN SITE CLOSURE, LICENSE TERMINATION AND DE-LISTING PROCESS



Key Committee Activities

- Established communications between all stakeholders
- Assess de-listing process and license termination time frame
- Review and approve site closure process
- Streamline closure process by identifying key issues
- Approve site closure documents

N&B Committee Activities

- Quarterly Meetings
- Round Table Discussions
- Presentations on Specific Issues (e.g. Alternate Soil Standards)
- NRC Advisement on Specific Topics
- Action Items – Committee Homework

Future Site Closure Activities

- Complete Remedial Actions
- Umetco Certification Report
 - Key to timely delisting and license termination
 - Objective : To have all necessary technical and legal information in one report so that final CDPHE, EPA, DOE and NRC documents can be efficiently prepared from the same data base.
 - Certification Report will incorporate three guidance documents: PCOR, LTSP and CRR
- Preliminary Close-Out and Completion Review Report
 - Prepared by CDPHE
 - Reviewed by EPA and NRC
- Resolve Land Transfer Areas (BLM, DOE, County)

Schedule of Closure Activities

- 2007 Complete Construction
- 2007 Submit Closure Documents to CDPHE, EPA, NRC, DOE, and BLM
- 2008 CDPHE Prepares PCOR and CRR
- 2008 EPA Deletes Site from NPL
- 2008 NRC Terminates License
- 2008 Site Transferred to DOE

What makes it work ?

- Committee members interested in the outcome of the project
- Well defined goals/objectives
- Frank and open discussions (No meeting minutes)
- Action Items drive the process

Mill Cleanup



After



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