



Utah Transition to Agreement State: Progress and Current Status

NRC / NMA Workshop
Denver, CO
June 27, 2006



Outline

- NRC Delegation
- Utah License Conversion
- State Groundwater Permits
- Facility Update / Status
- Conclusions



Delegation

- August 16, 2004
NRC Agreement Effective



License Conversion

- Oct - Nov, 2004

Draft UT licenses:

- EnergySolutions
- IUC
- Plateau Resources
- Rio Algom



License Conversion

- Final State Licenses Issued
 - EnergySolutions – 2/4/05
 - IUC – 2/18/05
 - Plateau Resources – 2/8/05
 - Rio Algom – 2/10/05



License Conversion

- Surety Instruments Changed:
Executive Secretary = Beneficiary
 - EnergySolutions – 2/16/06
 - IUC – 2/24/06
 - Plateau Resources – 8/15/04
 - Rio Algom – pending NRC action



State GW Permit

- State Ground Water Quality Protection Rules (UAC R317-6) Replace NRC Criterion 5
- State Ground Water (GW) Permits



State GW Permit

- Issue Utah GW Permits
 - EnergySolutions – 4/29/94
 - IUC – 3/8/05
 - Plateau Resources – 3/17/99
 - Rio Algom – n/a



Facility Status - EnergySolutions

Current Status: Commercial Disposal - Active

- 2/05 – Envirocare purchased by **Lindsay, Goldberg & Bessemer**
- 2/06 – Envirocare requested name change.
- License Amendments
 - No. 1 (7/8/05): surety update, etc.
 - No. 2 (3/27/06): name change, surety update, etc



Facility Status - EnergySolutions

- 11e.(2) License Renewal: (URS)
 - 5/27/03: Application to NRC
 - April, 2005: URS begins review
 - 6/22/05: DRC Completeness Review (CR)
 - 2/28/06: ES Response to DRC CR (Lic. App. Rev. 2)
 - In Process: DRC Round 1 Interrogatory



Facility Status - EnergySolutions

- Engineering Activities
 - Concrete Low-Strength Material (CLSM): variance approval [Fernald Silo 3]
 - Construction Quality Assurance / Quality Control Plan: integrate with LLRW plan



Facility Status - IUC

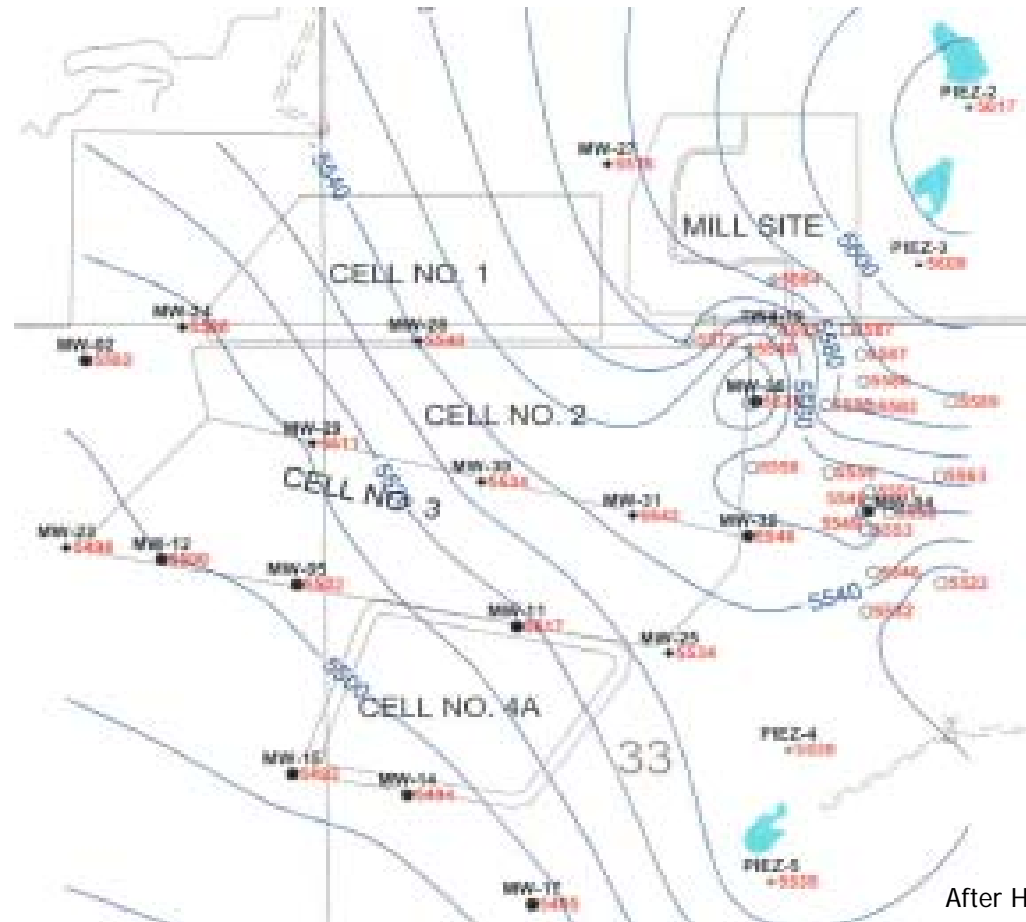
Current Status: Active Processing

- License Amendments
 - No. 1 (8/9/05): surety update
 - No. 2 (6/13/06): Fansteel Alternate Feed
- GW Permit –
 - Selected Compliance Schedule Projects

IUC Monitoring Wells

9 New
Monitoring
Wells
(installed in
2005)

GW Flow:
To SW



After HGC, Inc, 2006



Facility Status - IUC

GW Permit – Selected Compliance Schedule Projects

- GW Monitoring Quality Assurance Plan (in process)
- Tailings Cell 4A Cleanup Report (under negotiation)
- Tailings Cell 4A Redesign (submitted)



Facility Status - IUC

Fansteel Alternate Feed Proposal

- 4 Submittals: 3/8/05, 4/1/05, 6/22/05, and 7/19/05
- Draft SER & License: 11/2/05
- Public Comment: 11/2/05 – 12/2/05
 - Extended: 1/5/06
- Public Hearing: 1/5/06
- Final License: 6/13/06



Facility Status - IUC

Cell 4A Re-lining Project (URS)

- 1/31/06: Initial IUC Request
- April, 2006: DRC / URS Site Visit
Memorandum of Agreement (URS)
- 4/28/06: DRC Completeness Review (CR)
- 5/8/06: IUC CR Response
- 5/17/06: DRC Round 1 Interrogatory
- 5/24 and 5/26/06: IUC Round 1 Responses



Facility Status - IUC

Japanese Ore Proposal

- Spring, 2005 – verbal notice to DRC
- October, 2005 – shipping notice to DRC
- November, 2005 – ore shipments arrive
- December, 2005 – ore processing completed

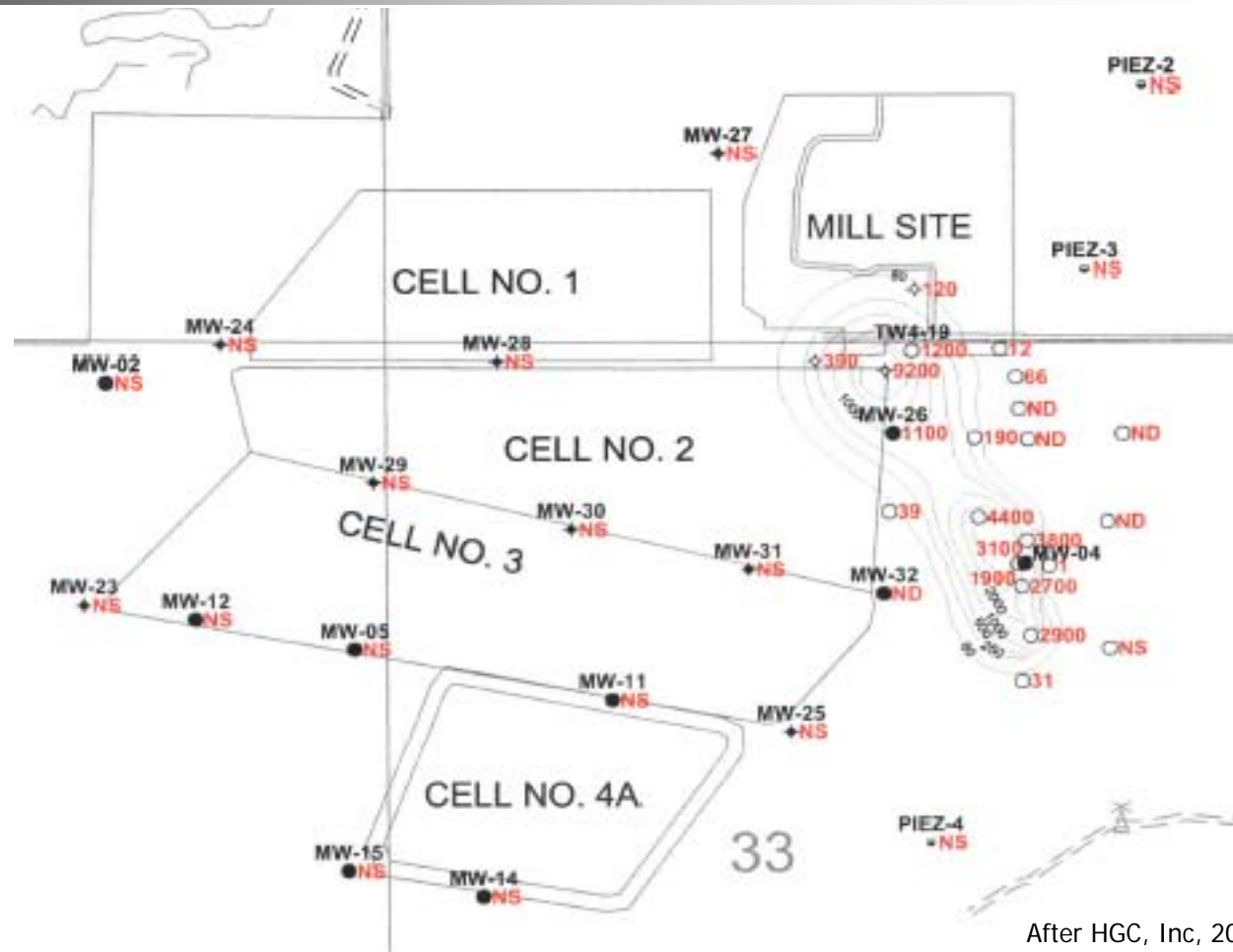
IUC Chloroform Cleanup (1st Qtr. 2006)

Plume Dimensions
Length: ~ 2,000 ft
Width: ?

Range of Concentration:
12 – 9,200 ug/l

State GWQS:
70 ug/l

1 New Well
Planned



After HGC, Inc, 2006

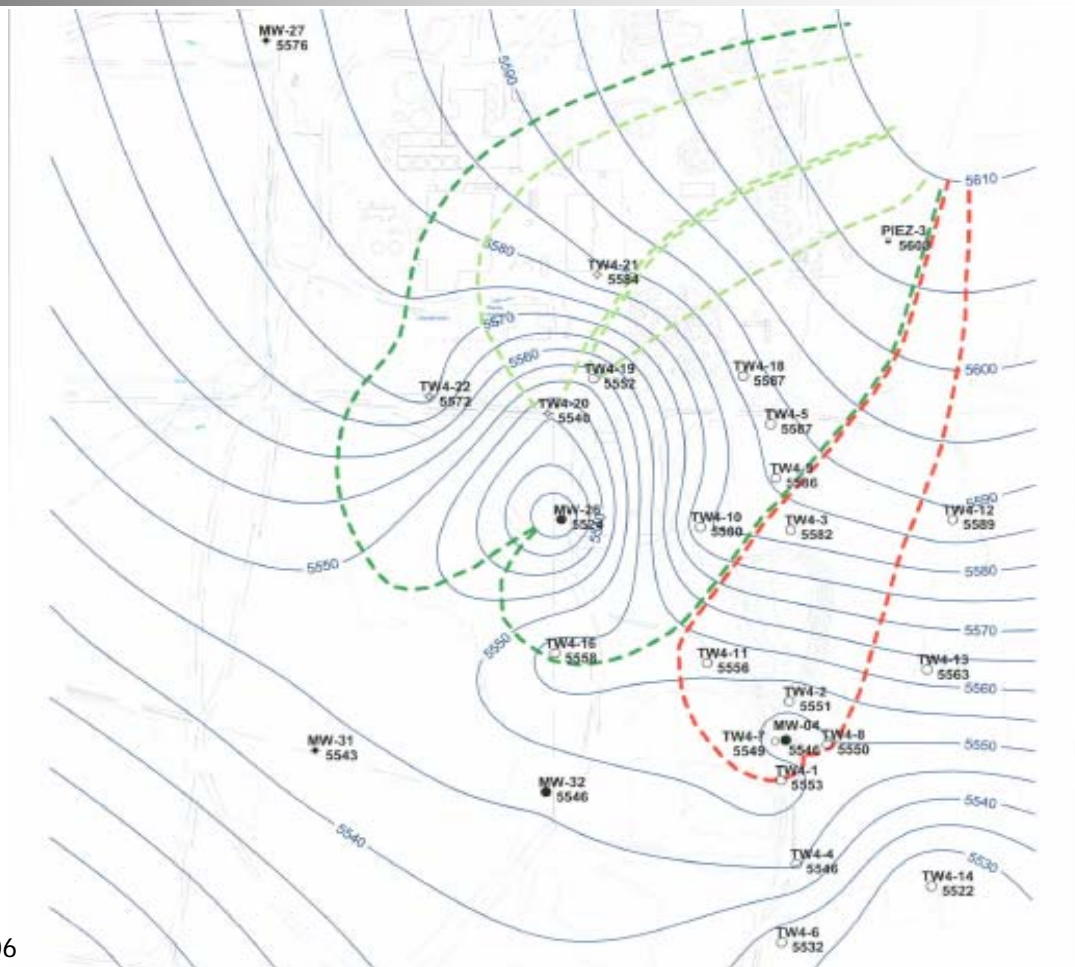
IUC Chloroform Capture Zones

Wells:

Total: 23
(2 new in 2005)

Pumping: 4

Average Total
Pumpage:
~ 6,400 gpd
(1st Qtr. 2006)



After HGC, Inc, 2006



Facility Status - Plateau

Current Status: **Transition to
Active Operations**

- 1/3/05: Request to Delay Reclamation
- License Amendments
 - No. 1 (3/15/05): reclamation delay
 - No. 2 (7/22/05): surety update
 - No. 3 (in process): return to operation



Facility Status - Plateau

Return to Operation Amendment

- 1/3/05: Request to delay reclamation
- 12/27/05: Revised Tailings Reclamation Plan
- 2/9/06: Revised Environmental Report (EIS)
Revised Tailings Management Plan
- 3/14/06: Memorandum of Agreement
(URS Corporation)



Facility Status - Plateau

Return to Operation Amendment

- 4/7/06: DRC / URS Site visit
- 4/14/06: DRC Completeness Review (CR)
 - Plateau CR response?
- June, 2006: DRC Round 1 Interrogatory

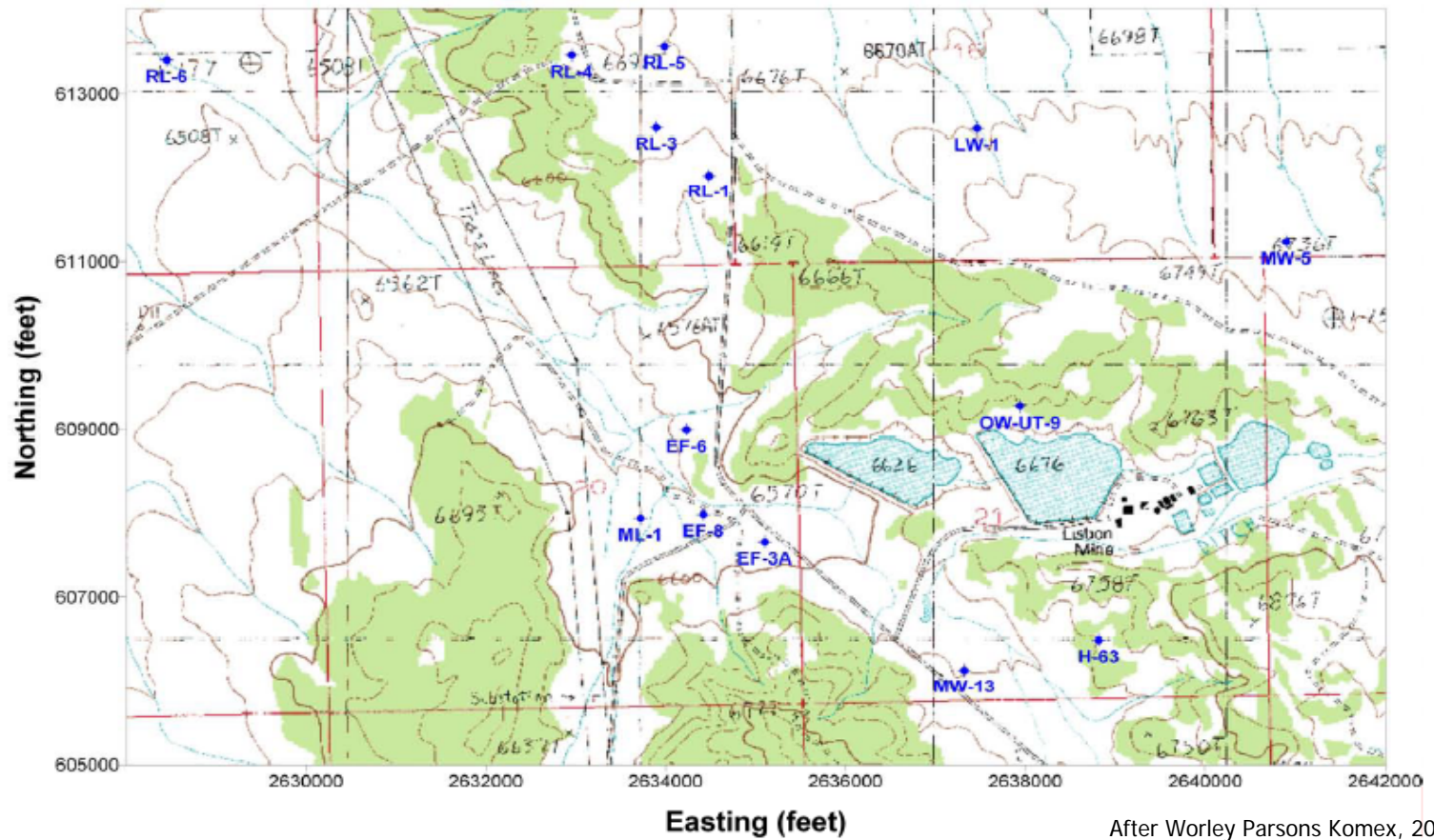


Facility Status - Rio Algom

- Current Status: Reclamation
- License Amendments:
 - No. 1 (1/19/06): surety update, equipment release requirements, etc.
 - No. 2 (3/6/06): ACL clarification, POE well change, new monitoring well, annual land use survey report, etc.
- Future Action: Need NRC Surety

Rio Algom Wells

Monitoring Well Locations April 2006
RAM Lisbon Facility





Conclusions

- Alternate Feeds are controversial.
- Uranium renaissance is a lot of work.