



# Utah Transition to Agreement State: Progress and Current Status

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NRC / NMA Workshop  
Denver, CO  
June 27, 2006



# Outline

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



# Delegation

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- August 16, 2004  
NRC Agreement Effective



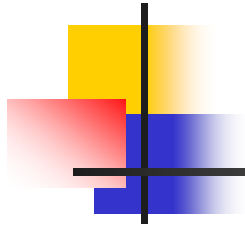
# License Conversion

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- Oct - Nov, 2004

## Draft UT licenses:

- EnergySolutions
- IUC
- Plateau Resources
- Rio Algom



# License Conversion

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



# License Conversion

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- 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

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



# State GW Permit

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





# Facility Status - EnergySolutions

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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

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- 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

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- 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

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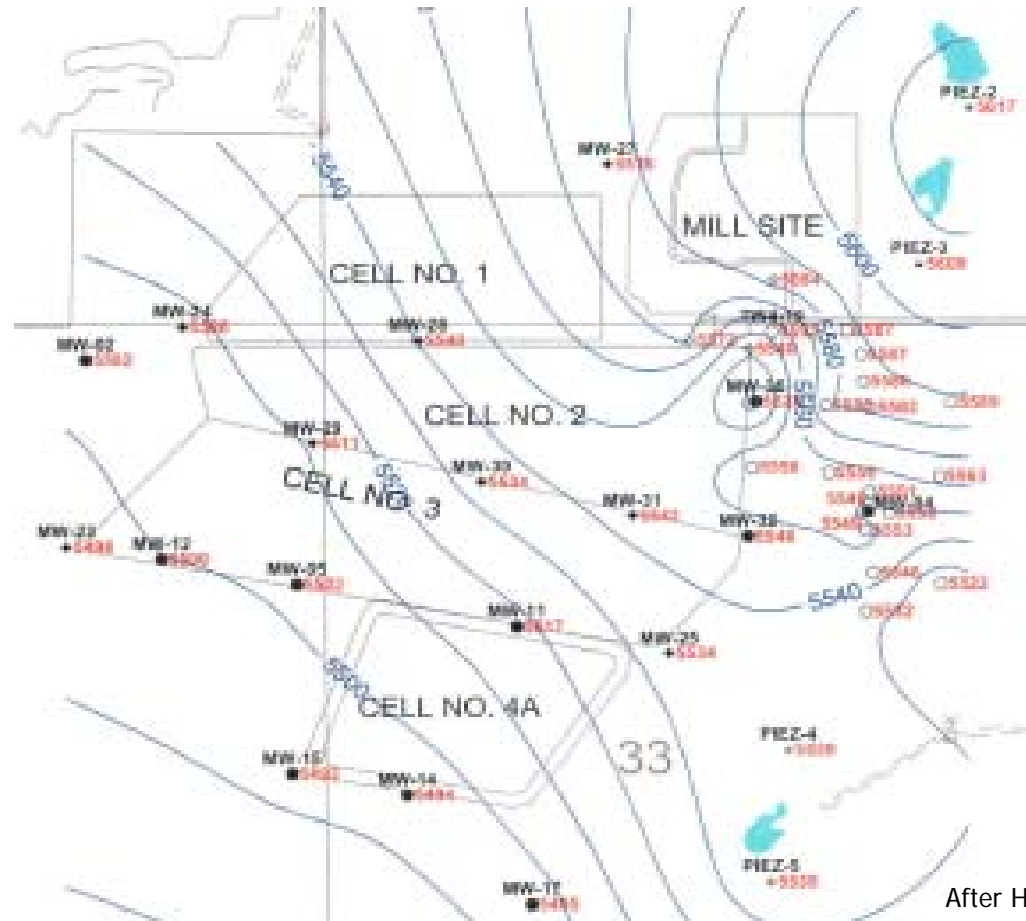
Current Status: Active Processing

- 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

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## 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

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## 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

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## 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

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## 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 (1<sup>st</sup> Qtr. 2006)

## Plume Dimensions

Length: ~ 2,000 ft

Width: ?

## Range of

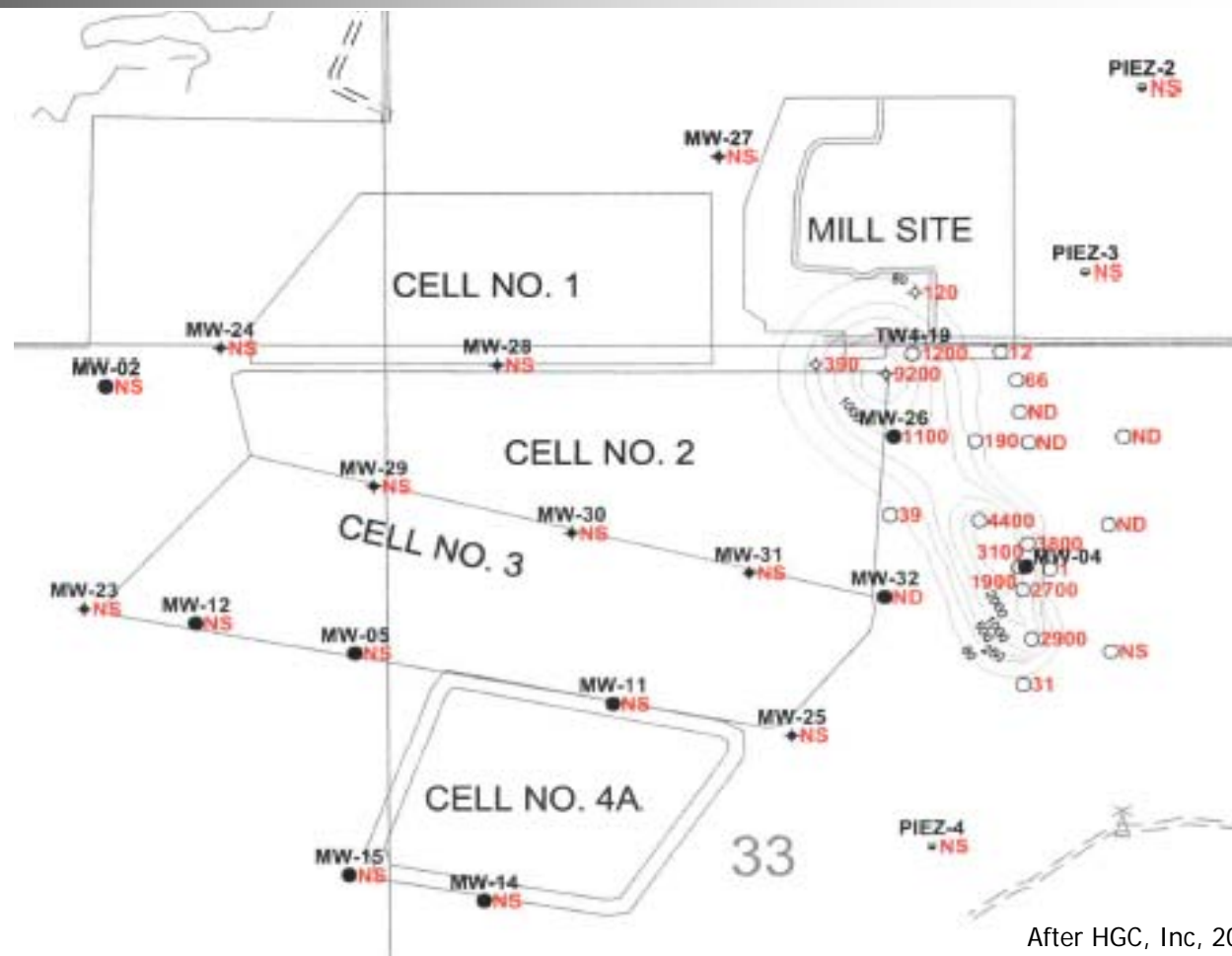
Concentration:

12 – 9,200 ug/l

## State GWQS:

70 ug/l

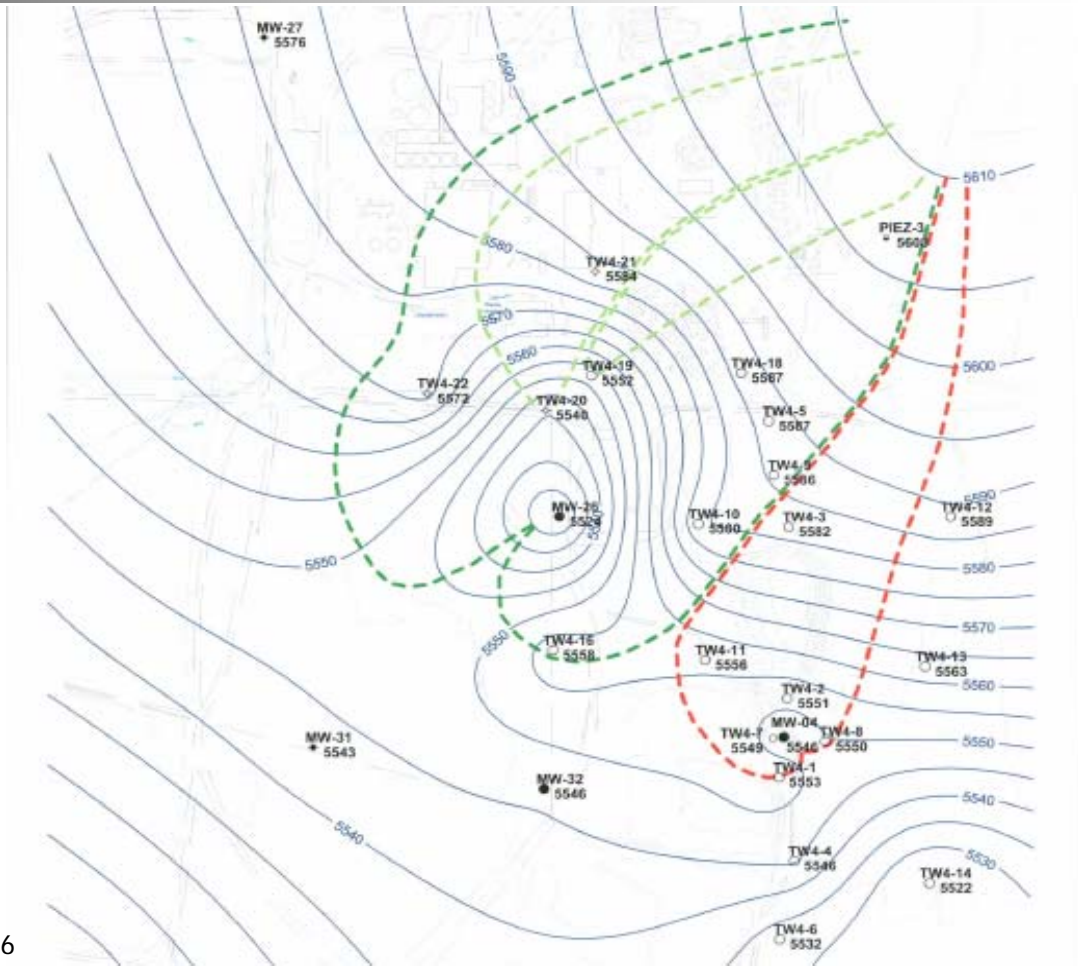
1 New Well  
Planned



After HGC, Inc, 2006

Total: 23  
(2 new in 2005)  
Pumping: 4

## Pumping: 4



After HGC, Inc, 2006



# Facility Status - Plateau

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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

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## 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

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## 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

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- 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

[illegible]

6/27/06





# Conclusions

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