EPA Region 6 Update

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EPA Region 6
State Technical Support and Oversight

- Nine delegated UIC programs in 5 R6 states.
Aquifer Exemptions

- Region 6 Developments Since Goliad 2012 Initial Decision
Post-2012 Aquifer Exemption Approvals

• URI Rosita mine – January 2014
• UEC Goliad mine – modified approval June 2014
• Mestena Uranium Alta Mesa mine – September 2014
• South Texas Mining Venture La Palangana mine – March 2015
• UEC Burke Hollow mine – anticipated March 2017
Aquifer Exemptions

• State re-assessments for oil and gas related freshwater injection.
  – Increased interest based on California.
  – Region 6 Class II agencies requested to re-assess.
East Texas Pressure Buildup – Pergan Marshall
Injection Reservoir Pressure Trend

HISTORICAL BOTTOM-HOLE PRESSURE MEASUREMENTS COMPARED TO MODEL PRESSURES
Model: Reservoir with Single Fault Northwest of Facility

Approved Petition Compliance Limit 3316 psia

2012 range 3340-3150 psia
2013 range 3255-3125 psia
2014 range 3472 psia

Annual falloff injecting pressures corrected for skin factor in psia

2012 range
2818 psia 2012
2248 psia

2013 range
2816 psia 2013

Allowable injection pressure rise of 1068 psi

2014
3472 psia

DP1

Water Division
Dallas, Region 6
Land Ban Program

Active Approved No Migration Petitions

- 32 (72%)
- 8 (18%)
- 2 (5%)
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Pawnee Earthquake Response
Injection Related Sinkholes
Carlsbad, New Mexico

Abandoned Class III Brine Facility
Subsidence Detected 2008-2009