

Wyoming's UIC Data Management and Data Exchange System

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GEM (Graduated Environmental Management)

- Web based application
- Program management functions:
 - ◆ Permitting, reporting, inspections, compliance
 - ◆ Class I
 - ◆ (Class III)
 - ◆ Class V

GEM Development: 2006

- EPA Grant
- Contractor selection (Tri-Hydro)
- Participation on EPA National UIC Database Committee
 - ◆ Design of new UIC national data model
- Program development and migration of existing data sets into GEM

GEM Development: 2007

- Agency acceptance and use
- Data mapping (approx 100 fields) to national UIC database
- 1st successful data flow to EPA through exchange node – Dec, 2007
 - ◆ Mapping errors
 - ◆ Data quality issues (duplicate records, etc.)

GEM Development: 2008

- Continuing GEM enhancements:
 - ◆ Work flow processes
- Quarterly data exchange
 - ◆ Issues with data matching '7520' submittals

GEM Development: 2009

- Continuing GEM enhancements:
 - ◆ Inspections, MITs, Compliance
- Modified XML to accommodate expanded reporting to national database
- Successful submission (no errors) of latest XML file to UIC PrePod database (Class I and V wells) – Aug 2009

GEM Development: 2009

- Currently integrating Class III well data into GEM
- Anticipate full Class I, III, and V well data exchange before year end.

Opportunities:

- EPA financial support
- Improved data quality
- Enhanced data management
- Reduced paper reporting
- Enhanced program efficiency in reporting and oversight

Challenges:

- CROMERR:

- ◆ WY addressing under separate effort

- ◆ ‘Wet signatures’ required in place of e-signatures

- Class III well data flow