

**Four Corners Air Quality Task Force  
Oil and Gas Work Group Meeting Notes**

February 7, 2007, 3:00 PM – 5:15 PM

Durango, CO

**Participants**

Paul Tourangeau, Mike Silverstein and Jen Mattox, CDPHE-APCD; Rebecca Reynolds, RRC; Dave Brown, BP; Bill Hochheiser, US DOE; Mike Brand, Cummins; Walt Brown, USFS/BLM; Cindy Beeler, EPA Region 8; Lisa Sumi and Renee Lewis, OGAP; Brady Winkleman, Caterpillar; Roger Armstrong and Rick Sanchez, Twin Stars LTD; Josh Joswick, SJCA; Jan Rees, Citizen; Myke Lane, Williams; Erik Aaboe, NMED-AQB; Andy Berger, NMED-AQB; Liana Reilly, NPS; Fran King Brown, Aka Energy; Dave Schneck, San Miguel County Environmental Health Dept.; Andy Young, Red Willow Production, LLC; Sara Stratton and Suzanne Holland, Chevron; Shelly Cowden, NM OCD; Chandler Marechel, Citizen; James Temte, Southern Ute Air Quality; Virgil Frazier and Jenny Benz, Southern Ute Indian Tribe GF; Jeremy Nichols, Rocky Mountain Clean Air Action; Patricia Prather, Citizen, Christi Zeller, La Plata County Energy Council; Dale Wirth, BLM; Katherine Holt, La Plata 2030 Vision; Bud Rolofson, USFS; and Pat Senecal, Town of Ignacio.

**Agenda Items**

**1. Welcome and Introductions.**

**2. Update Tracking Table for E&P Progress.**

Done. Jen has updated table electronically.

**3. Work Plan Development for "Midstream Operations."**

WG definition of "midstream" - everything from E&P to pipeline/custody transfer.

Much in midstream category already covered by mitigation options and/or existing NSPS.

New mitigation options and volunteer authors:

- Flares (?) - pending - Myke Lane
- Directed I&M program (based on Canadian CAPP; less onerous than LDAR) - Cindy Beeler
- Specific direction on NSPS - Jeremy
  - Using best technologies to assess compliance (cameras, etc)
  - NSPS for "non-NSPS" sources
  - Revisit/Review old NSPS
  - "NSPS" for methane
    - IR for ID/capture methane
    - Examine feasibility and economics
- Product capture/maximize efficiency - Cindy Beeler, as part of EERE mit. op.
- Multi-phase pipeline - Cindy Beeler
  - Many considerations
    - Climate
    - Topography

- Maintenance
- GHG Registry Considerations - Dave Brown
  - CO2 capture from amine units
    - Reinjection
    - Sequestration
- Energy Efficiency Emissions Reduction (Canadian example) - Cindy Beeler
  - Integrated audit
  - Performance indicators
- Comprehensive impacts of efficiency - Katherine Holt
  - vs. demand
- Electric compression - midstream - Dave Brown
- Efficiency/conservation on individual level - Katherine Holt
- Optimization of compression (look at existing mit op) - Jeremy
  - In terms of emissions
  - Midstream vs. E&P
  - Permitting - streamline/incentivize
  - Feasibility
  - Contractual obligations

Need for preface/overview of midstream section - Bill Hochheiser

- vs. E&P - what is covered in each section
- Highlight overlaps

#### **4. Discussion of Applicability/Addition of Energy Conservation, Renewables, and Efficiency**

New mitigation options and volunteer authors:

- Solar/PV applications - Cindy Beeler
- Cogeneration - combined heat and power - Dave Brown
- Microturbines for components - Dave Brown/Bill Hochheiser
- Sustainable business practices (Xcel example) - Katherine Holt
- Zero waste - Katherine Holt

#### **5. Discuss data needs/assumptions for CE Tagged Options Recap of action items**

Not accomplished due to time constraints.

#### **6. Next steps**

- Conference call re: Item 5 above: Wed. 2/14/07, 2-3:30 PM
- Conference call w/CE: Wed. 3/7/07, 2-4 PM
- Mitigation Options written and sent to Jen by 3/23/07.
- WG conference call: Wed. 4/18/07, 2-4 PM
- Next meeting: 5/9/07