

**Four Corners Air Quality Task Force Meeting  
Oil & Gas Work Group Special Session (A.M.)  
Tuesday, May 9, 2006  
9:30 am – Noon  
Farmington, NM**

Work Group Coordinator: Cindy Allen (CDPHE); Note taker: Bill Papich (BLM); Rebecca Reynolds, Facilitator

**Participants:**

Cindy Allen, CDPHE; Cody Barritt, EMIT; Brittany Benko, BP; Bruce Beynon, Chevron; Robin Blanchard, SJCA; Doug Blewitt, AQRM with BP; Mike Brand, Cummins; Dave Brown, BP; Fran King Brown, Aka Energy/CO Southern Ute Air Commission; Walt Brown, BLM/FS; Jim Cue, Caterpillar; Mark Dalton, Samson; Carl Daly, US EPA; Ryan Dupnick, Compliance Controls; Virgil Frazier, SUIT GF; Bruce Gantner, Conoco Phillips; Mike George, NPS; Bob Gonzalez, Caterpillar; Bill Hochheiser, US DOE; Susan Johnson, NPS; Mark Jones, NMED-AQB; Mike Lazaro, ANL; Kim Bruce Livo, CDPHE; Mark McMillan, CDPHE; Joe Miller, MT Air/SUIT DOE; Bart Myers, Caterpillar; Casey Osborn, EMIT; Bill Papich, BLM; Liana Reilly, NPS/ARD; Mike Silverstein, CDPHE; Reid Smith, BP; Lisa Sumi, OGAP; Rita Trujillo, NMED-AQB; Kathy Van Dame, Wasatch Clean Air; Larry Weaver, NMED-AQB; Lisa Winn, XTO Energy; Dale Wirth, BLM/Farmington

Via Telephone: Ran MacDonald, UTDEQ; James Russell, Environ; Aaron Worstell, NPS

**Welcome & Opening Remarks Rita Trujillo, NMED**

The Task Force is a broadly representative group taking a comprehensive view of AQ issues in the four corners region. The Task Force will deliver its final report by the end of 2007.

The reason for the Task Force is to involve a broad group so as to gain input on what can be done on AQ in the four corners region.

The objective of the Task Force is to develop a broad list of mitigation options for air quality regulators to consider.

The TF is not a decision making group; the authority lies with the Federal, State, Tribal and local agencies to ultimately determine which options will be recommended for implementation. The TF is also not a research or technical group. We do have two work groups addressing technical issues, but these groups have limited resources and will serve to assist the source work groups in developing their options, and possibly identifying areas of need to suggest in the TF report.

**WRAP Oil & Gas Emissions Inventory Presentation Mike George, NPS\***

(See separate PPT on website)

\*James Russell from Environ was on the phone and assisted in answering questions

**Comments:**

BP: Take a more detailed look through 4CAQTF to revisit O&G inventory?

Will WRAP re-look at this? No plan for future work on 2002.

Mike Lazaro: Argonne looked at engines in SERP – inventory – another source of data for review.

Argonne SERP seemed to say it was difficult to get info from individual companies – did the WRAP process face this as well? No: WRAP got information from States through their permitting process.

Comment: Coalbed methane: one of the more significant sources. Yes, it is a different and unique subset, but in a different geographical area.

9 state WRAP region included in the inventory

4 Corners Spec 2002 Area Emissions

Did Southern Ute supply inventory? They were working on their own at the same time as WRAP, which may be included in WRAP at some point. Right now they are represented by default in the state's numbers.

Controls slide: represents a mix of NOX and VOCs

**Presentation: Oil & Gas Matrix** Cindy Allen, CDPHE, Work Group Coordinator

### Sources

Comments for modification:

#### *Exploration/production*

May need to add additional aspects of this process to capture all emissions.

#### *Engines*

Split at 300 came from interim emissions recommendations. It was just used as a starting point. May need further discussion about the split number.

Turbines should be a separate category; they are fundamentally different from engines.

#### *Gas Plants*

Add SRU

Clarification: "Treating" plants for the most part are not "recovery" plants

Transmission/storage: delete storage

### AQ Issues

No comments.

### Pollutant

Ammonia: Add to the matrix? Subset to NOx? Secondary pollutant?

What is the problem we are trying to solve? It seems like focusing our time on the big problem we decide we want to address makes better use of the TF's time than this scatter-shot approach. A: Issues are potentially different for different stakeholders. Prioritizing may exclude some issues...the Task Force is a forum to consider *all* potential issues.

Basic understanding of some of the pollutants may be helpful prior to mitigation options development. This will also aid in the consideration of trade-offs.

Where is the issue of tradeoffs addressed? A: This is addressed in the Mitigation Options Outline. Can tradeoffs be added explicitly to the Outline? A: Yes.  
Also, Cumulative Effects can assist the O&G group with this.

Should we add something about current strategies? A: This could go into an introduction, but the Task Force will not develop options if the activity is already in place.

## Mitigation Option Outline

Will all kinds of options be considered, i.e., Market options as well as Regulatory options?

A: All options can be considered.

## Matrix

We may want to consider adding a section that explains the workgroup's decision on each mitigation option. For example, why the option was chosen to be written up or not.

Adjourn The group reached a stopping point at 11:45 and decided to adjourn and continue the discussion on mitigation option brainstorming during the afternoon session.