

**Four Corners Air Quality Task Force
Oil and Gas Work Group**
Conference Call April 5, 2006, 2:00 PM

Participants

Rita Trujillo, NMED-AQB; Bob Jorgenson, CDPHE-APCD; Cindy Allen, CDPHE-APCD; Kim Livo, CDPHE-APCD; Carl Daly, EPA Reg 8; Dale Wirth, BLM Farmington; Jim Ramakka, BLM Farmington; Bill Papich, BLM Farmington; Mike George, NPS (Cumulative Effects Work Group Coordinator); Dave Schneck, San Miguel County, Environmental Health Dept.; Liana Reilly, NPS; Ted Schooley, NMED-AQB; Mark Jones, NMED-AQB Farmington; Ran MacDonald, UTDEQ; Kelly Skelton, Energen Resources; Bruce Beynon, Chevron; Bob Gonzalez, Caterpillar; Dave Ruger, Honeywell; James Russell, Environ; Mike Lazaro, Argonne; Ryan Dupnick, Compliance Controls; Curtis Rueter, Noble Energy; Mark Dalton, Samson; Robin Blanchard, San Juan Citizens Alliance; Rebecca Reynolds, Facilitator

Introduction: Ms. Reynolds opened the call with a brief review of the March call:

- 1) Notes on the website; please see the notes if you were not on the call
- 2) Decided to wait until Farmington to discuss matrix, better to discuss in person with so many people
- 3) Developed two documents that were discussed:
 - a. Outline for mitigation option format, with examples (on Documents webpage)
 - b. Technical Background Information outline – overview of activities that have already been done: modeling, monitoring, emission inventory, air quality

Ms. Reynolds then explained that today's call would be used to review the Technical Background Information Fact Sheets that were developed from the Outline. These are also posted on the website on the Documents page. We are looking for input from the task force members on the technical documents for completeness, clarity, and accuracy.

Ms. Reynolds also explained that there will be a special session for the Oil & Gas work group in the morning on May 9 (9:30 am- Noon). This session will be used to review the Environ Emissions Inventory (see PPT on the Documents webpage) and the other background material. After this, the work group will use the matrix to develop the group's work plan. This will be based on the convergence of interests within the group so that smaller work teams may be formed.

Technical Background Information Fact Sheet Review

Rita Trujillo spearheaded the effort to develop the Fact Sheets. She provided an overview of each of the documents. It was noted that these documents will also be reviewed during the plenary session of the task force meeting in Farmington, to ensure that everyone participating has an opportunity to review and provide input on the documents. All of the fact sheets are on the web site at <http://www.nmenv.state.nm.us/aqb/4C/documents.html> under Technical Background Information.

Modeling Fact Sheet

1st paragraphs overview section are the same on each of the Fact Sheets. This overview describes general air quality in the Four Corners and gives a link to the NAAQS website. Some of the existing air quality issues in the Four Corners are: close to exceeding the ozone health-based standard; mercury advisories issued for many water bodies; visibility is degraded. There are lots of jurisdictions: four states as well as several Tribes and EPA. This makes managing air quality in the area a complicated issue.

Following the overview section, existing modeling is discussed.

NM EAC

- Categories of sources
- Sophisticated modeling
- Future years inventory, includes growth and control strategies – model showed compliance through 2007
- Caveat: Inventories not great for area and mobile sources

WRAP

- modeling for haze, stationary, area, dust, mobile
- models had different outputs
- improved ammonia inventory for WRAP

The last page shows the map of the area of concern as appended to the Memorandum of Understanding between the coordinating agencies of the task force.

Comments: Another study in support of oil shale programmatic EIS is being worked on that contains a map that may prove useful to this effort. Its meteorological area extends to the southern borders of UT and CO. BLM is working on the EIS from the Denver office. Rita Trujillo will follow up on this.

Monitoring Fact Sheet

- Link to Argonne's website shows map of monitoring sites (please email Mike Lazaro if you have additions)
- Pollutants being monitored are PM-2.5, PM-10, Ozone, NO_x, CO, SO₂, Hg
- NM real time monitoring data
- CDPHE PM monitors in area
- Visibility is monitored at Class I areas, of which there are several in the Four Corners including Mesa Verde National Park
- Met data by all states on their web sites

Visibility Monitoring – in Class I areas, several exist around the Four Corners. CO and NPS are doing Hg and deposition monitoring.

Air Quality Effects Fact Sheet

Susan Johnson (NPS) developed this document; please send any comments to Rita Trujillo. This document discusses the various air quality effects as follows.

Human Health

- Ozone and PM issues in the area
- EPA website for air quality index
- NM, real time data

Mercury (Hg)

- Fish advisories
- 1 Hg monitor in Mesa Verde

Ecosystem Health

- sulfur and nitrogen acidify lakes and soil
- someone commented on the actual studies in the area regarding deposition, and wanted those to be posted if possible

Economics

- Impacts and benefits
 - Industry, Tourism

Comments: Will the task force have access to the studies on which this Fact Sheet was developed? Rita will discuss this with Susan Johnson.

Emission Inventories Fact Sheet

Area vs. stationary vs. mobile vs. biogenic sources. Suggest that these be defined and that these definitions be included in this Fact Sheet.

Again, Environ's work on Emissions Inventories is represented in a PPT on the Documents page of the website, which will be reviewed at the a.m. Oil & Gas session in Farmington.

Comments: CDPHE (CO) has been conducting regional inventories since the early '70s. For the past five years they have done more comprehensive inventories statewide.

Please send any comments/input on any of the Fact Sheets to Rita Trujillo:
rita.trujillo@state.nm.us ***Your input is welcome!***

Upcoming Task Force Meetings

May 9, 2006 3-7 pm in Farmington (see Meetings webpage for details and an agenda)
Special Oil & Gas session: 9:30 am – Noon same day (see Oil & Gas webpage for details and agenda)

August Meeting: Wed, Aug 9, 2006, 3-7 pm in CORTEZ, CO. (Meeting details coming soon on the website Meetings page)

General Comments:

- For future, please provide more explicit direction on where to find materials on the website.

- Mike Lazaro would like the Task Force to review a document: Mark Jones handles this so please go through him.
- Request for teleconference option for the a.m. Oil & Gas session; Rebecca will look into this and we will email and post the details.

Adjourn 3:00 PM