

**4 Corners Air Quality Task Force
Monitoring Group
May 9, 2006 – Meeting Notes**

Participants:

Mary Lou Asbury, LWV / Cortez / Montezuma; Terry Hertel, New Mexico Environment Department, Air Quality Bureau; Eric Janes, Retired Federal Employee, USDI; Myke Lane, Williams; Michael Lazaro, Argonne National Laboratory; Theodore Mueller, Ret. Professor Adams State University – Aztec; Koren Nydick, Mountain Studies Institute; Gordon Pierce, Air Pollution Control Division, Colorado Dept. of Public Health and Environment; Debby Potter, US Forest Service, Reg. 3; Bud Rolofson, Air Program Manager Region 2/Region 4, USDA-Forest Service; George San Miguel, Natural Resource Manager, Mesa Verde National Park; Judy Schuenemeyer, Cortez LWV; Reid Smith, BP America; Wano Urbonas, Environmental Health Director, San Juan Basin Health Department

Terry Hertel – Group Coordinator
Bud Rolofson – Note Taker

Proposed Re-write of Monitoring Workgroup Charter:

The monitoring workgroup will identify existing monitoring networks, data gaps, and the need for additional pollutant monitoring. A gap analysis and trends analysis will be the basis for citing and prioritizing additional monitoring. The monitoring work group will conduct, when possible, and facilitate monitoring projects in the Four Corners region. The work group will support the needs of the other groups by analyzing monitoring needs for the Task Force in support of the development of control strategies. The monitoring workgroup will identify funding sources and develop a holistic monitoring strategic plan for the 4 corners region in order to do attribution of pollutant species by source categories.

Opening Presentation:

Michael Lazaro – Argonne National Laboratory

Summary of Aerometric Measurements in 4 Corners area

126 monitoring sites

57 meteorology sites

Tour of GIS Mapping/Aerometric Database

Can do various GIS layers of information

Can query the database for specific data at desired location

Path Forward

Two prototype demos

Direct hands-on use experience – ongoing

Other monitoring workgroup needs?
Data Analysis of monitoring gaps
Aerosol analysis for source attribution studies

<https://webead.anl.gov/fourcorners/map/index.cfm>

Questions on presentation:

- Is area depicted in the box shapes representative of monitoring in area we are interested in?
- At existing monitoring sites is there other monitoring going on for things such as NO, NO₂, etc. that could be useful?
- Need to make sure Tribal sites are all accounted for.
- Is there any analysis of fine particle species?
- Comment: NWS used for MM5 wind field simulations
- Is GIS database updated continually?
- What is grid size for MM5 simulations?
- How easy is it to model individual sources?
- There should be more met data sites, especially in N.M, plus DOE sites.

Workgroup watched an animation of Desert Rock plume analysis

Discussion for 10-15 minutes about the geographic extent of plumes and what the animation represented.

Review of Background Documents

4CAQTF Existing Monitoring Summary May 2006

- Could be more specific about trends. Need to provide quantities for comparison to NAAQS for Ozone.
- Need to have graphics of trends and background data
- Presentation of data is important and the sites chosen needs to be unbiased.

Work Plan Development – Workgroup will address on next call

Scope of work?

Schedule of Benchmarks to have a May 07 draft report?

Drafting teams to begin drafting mitigation options using outline?

Work Group Logistics:

Conference call schedules for June and July?

Doing some email blogging back and forth and schedule a call probably on 2nd

Monday of June

Full work group next meeting? ----- Probably mid-June

Smaller drafting team meetings?
Planning for August mtg. in Cortez.

Schedules:

Conference Calls: 2nd Monday of every month @ 2:00-3:30 PM MST
Next monitoring workgroup meeting: Probably mid-June
Next 4CAQTF face-to-face meeting, August 2006 in Cortez