

Needs for Western Air Quality Planning and Analysis--BLM Perspective

May 29, 2014

WRAP Spring Membership Meeting



Key Air Quality Efforts and Analysis

- Colorado-CARMMS, Bull Mountain EIS, Pawnee National Grasslands, DJ Basin
- Utah—ARMS, Moab Master Leasing Plan
- Montana/Dakotas—Montana Dakotas PGM (All of MT, western halves of Dakotas, 2/3 of Wyoming)
- Wyoming—LaBarge Platform, NPL, Hiawatha, CD-C, Moneta Divide, Converse County, Bird Canyon
- New Mexico—Permian Basin, Mancos Shale
- Basin-specific oil and gas calculators
- WRAP's 1-hour NO₂ drill rig study

Western Air Analysis-Collaboration

- YES!
- Project-specific analysis doesn't work well for BLM—duplicative, expensive, inefficient, “dueling models” problem
- Critical to accomplishing BLM mission, especially for ozone
- Promote consistency in analysis
- WestJump AQMS—source apportionment on regional scale very helpful
- 3 States AQS—need to expand the scope for a larger geographic area

Questions to be answered/work to be done

- Oil and Gas Inventories—better characterization of emissions, including methane, from basin-specific/formation-specific activities, reflect basin/formation conditions and new technology
- Update of regional inventories on a regular schedule using the same processes
- Role of transport and background for ozone and PM_{2.5}
- Reusable modeling platforms
- Wintertime ozone formation
- Stratospheric Ozone intrusion