

Battlement Mesa Health Study Stakeholders Meeting

Meeting Minutes/Highlights

Date: Wednesday, February 3rd, 2010

Time: 10:00am-2:00pm

Place: 195 West 14th St, Rifle, CO 81650 (Health and Human Services Building – Large Conference Room)

Attendees: Jim Rada, Paul Reaser, Mindy Yost, Mary Meisner, Judy Jordan, Sara McCurdy, Eric Schmela, Dan Cohen, Brett Middleton, Roxana Wither, Lee Newman, Ken Scott, Bob Arrington, Ron Galterio, Sheree Walcher, Dave Devanney, Nikki Reckles, Kaylan Stinson, John Adgate, Donna gray, Sher Long, Leslie Robinson, Susan Awillow, Kate Fay, Teresa Coons, Linda Spry-Rourke, John Martin

Power Points will be available on our website: <http://www.garfield-county.com/index.aspx?page=979>

- Epidemiological Studies-Ken Scott
- Health Impact Assessment (HIA) principals and methods- Ken Scott/Roxana Witter
- Health/Exposure Studies (EHAMS)- Roxana Witter

STAKEHOLDERS *Request Involvement*

- Residents of Battlement Mesa (BM)
- Battlement Mesa Concerned Citizens
- Antero Resources*
- Grand River Hospital District*
- Battlement Mesa Oil and Gas Committee**
- Water/Sewer Metro District**
- School District 16**
- Elected Officials
- Health Department
- Battlement/Parachute Chamber of Commerce- Judy Beesly**
- Occupational Health Center**

*Invited but not in attendance

**To be included in future stakeholder outreach

BM CONCERNS

Air Pollution/Quality

- PM10 & VOC's monitoring?
- Location of monitors- Does the monitoring in Parachute parallel with Battlement Mesa?
- PM2.5 – Is PM 2.5 a greater hazard?
- BTEX, VOC's from production activities?
- Wants to know Air Quality impacts from ALL processes.
- Evaporative Hydrocarbons from ponds?
- BTEX Emissions- Trucks warming up in area, vehicle emissions (diesel)
- Existing pipelines- (gathering pipelines) Methane leaks

Water Quality

- Adequacy of monitoring?
- Supply/Impact on Colorado River, Surface water, and Springs
- Drinking water safety? Source of Domestic supply ½ mile from well pad
- Emergency wells within PUD
- Proximity of drilling pads to wells
- Spring runoff and spills
- Emergency Preparedness?
- Well pad fires/hazards wildfire –Lead to exposure?
- Gates on the water intake? Rifle has gates.
- Daily/hourly monitoring instead of 3 months turn around time for sample analysis
- Quicker response to water issues.
- How will the water system respond when there are other needs? (fire, ect)
- Drill water shut-down?

Pipeline Safety

- Pipeline leaks (gathering pipelines)
- Emergency Preparedness - breaks, explosions

- Proximity to high voltage power lines? Proximity to residents?
- Bury gas lines under easement? Induced current into pipes?

Soil

- Post drilling reclamation, spills
- Cutting disposal- What's being done with the cutting? Buried on site?
 - Exposure on surface (maybe area converted into a playground) after the fact?

General Concerns

- Property values (house is 400 yards from well pad)
- Proximity of homes and schools to wells (aesthetics)
- Would like location of pads moved back from public with hopes of lessening exposure?
- "Stressors" in Community and impact on health (light, noise, property, traffic)
- Skin diseases, respiratory diseases, vertigo, an overall fear of becoming ill
- Increase in Motor vehicle accidents-injuries and death
- Fracing practices-potential for harm?
- -Remote fracing-High pressure pipelines under roadways.
 - -Spreads fracing fluid in their pathway?
 - Geological- Chances of hitting fault lines-gas leak?
- Changing landscape/changing residents demographics
- Economic impact of "Boom&Bust"- Industry/Economy tied.
 - -Food banks are drying up
- Impacts the availability of health services and other community services in BM

Hazards to Workers

- Social impacts (child/spousal abuse, health insurance issues)
- Workers schedules- impact on families
- Health of workers on rigs?

- Mental health impacts
- Economic security tied to gas jobs-fear of losing jobs if they “speak up” about health problems.
 - Grand Valley Citizen Alliance gets input from workers who wish to remain anonymous.

Concerns of Industry

- Misinformation that drives fear. Health Study will relieve the misinformation.
 - Industry fire partners? Partner with local fire department.
 - Wants Battlement Mesa to be a better place when Antero leaves.

Researchers- Are there concerns about doing the studies?

- Sick of hearing inconclusive/nothing happening.
- Probability vs. Predictability
 - What does probability mean?
- Define Acute vs. Chronic Diseases
 - Needs to be communicated, sudden vs. long term.
- Data on healthy individuals? Will this study include information on healthy individuals?
- Balanced Picture of the Community

Concerns for the County?

- Impacts on county services.
 - Provide more/less services.
 - STD’s, other “social diseases”
- Impacts on Education
 - Class size
- Affordable housing
 - Not enough, too much.

Operator

- Available to provide valid information (no remote fracing, no ponds, ect)
- Judy Jordan (GARCO O&G Department) can provide information about other O&G operations around the county.

February 16th, GARCO Board of Health Meeting

Appendix

Attendees and Affiliations

Jim Rada, Environmental Health Manager, Garfield County
Paul Reaser, Air Quality Program, Garfield County
Mindy Yost, Environmental Health Specialist, Garfield County
Mary Meisner, Public Health Director, Garfield County
Judy Jordan, Oil and Gas Liason, Garfield County
Sara McCurdy, Battlement Mesa Service Association
Eric Schmela, Battlement Mesa Company
Dan Cohen, Battlement Mesa Company
Brett Middleton, Encana Corporation
Roxana Wither, Colorado School of Public Health
Lee Newman, Colorado School of Public Health
Ken Scott, Colorado School of Public Health
John Adgate, Colorado School of Public Health
Kaylan Stinson, Colorado School of Public Health
Bob Arrington, Battlement Mesa Service Association, Battlement Mesa Concerned Citizens
Ron Galterio, Battlement Mesa Concerned Citizens
Sheree Walcher, Williams Corporation
Dave Devanney, Battlement Mesa Concerned Citizens
Nikki Reckles, Oil and Gas Department, Garfield County
Donna Gray, Williams Corporation
Sherl Long, Encana Corporation
Leslie Robinson, Grand Valley Concerned Citizens
Susan Awillow, Williams Corporation
Kate Fay, CDPHE
Teresa Coons, author, Sacomano Institute Report
John Martin, Garfield County Commissioner
Linda Spry-Rourke, Colorado Oil and Gas Conservation Commission

Invited but did not attend:

Antero Resources
Grand Valley Hospital