

Minutes of the September 13, 2010  
Rapid City Air Quality Board Meeting

Members Present: Bob Riggio, Clint Allen, Danielle Wiebers and Jerry Steinley

Others Present: Ethan Schmidt, Bill Waugh, Brad Schultz, Jon Epp, Marcia Elkins

**Motion by Riggio and second by Steinley to approve the minutes of the June 14, 2010 Air Quality Board meeting. The motion was unanimously approved.**

**Motion by Wiebers and second by Riggio to approve the agenda as presented. The motion was approved unanimously.**

Schultz presented the Department of Environment and Natural Resources Air Quality Report. He reviewed information regarding the air quality alerts issued over the last quarter and the graphs documenting low concentrations over the summer. He noted the low levels of PM10 and PM2.5 concentrations experienced over the past quarter noting the unusual weather conditions experienced the last nine months. Schultz indicated that the Department of Environment and Natural Resources Air Quality five year review is not yet completed. He thanked the Board for their letter regarding the monitoring needed in southeast Rapid City. He noted that the State staff has not yet identified any problems in the southeast area of the community and will be continuing to monitor the conditions in the area.

In response to a question from Riggio, Schultz reviewed the annual report produced by the Department of Environment and Natural Resources. A brief discussion followed.

Elkins reviewed the various reports posted on line. She directed the Board's attention to the memorandum prepared by Schiferl regarding the increase in complaints and the numerous references made to the public service advertisements that have been running in the local media.

**Motion by Riggio and second by Steinley to acknowledge the reports as presented. The motion carried unanimously.**

In response to a question by Schmidt, Elkins reviewed the provision of public service announcements regarding smoke and dust to the media.

Schultz presented an overview of the pending revisions to the Federal Air Quality Standards. He reviewed the proposed changes to the various air quality standards. He noted that the SO<sub>2</sub> standard was revised and became effective in August 2010. He noted that the new standard is a very stringent standard and is related to sources rather than the effects. Schultz noted that the State must monitor any facility that contributes 1% of the national average. He indicated that South Dakota will not have to monitor any source based on the 1% standard; however, the State will have to set up one monitor based on modeling information. He indicated that the SO<sub>2</sub> monitor may be located in Rapid City. Schultz

noted that South Dakota appears to be in compliance based on monitoring; however, the State might not be in compliance with the standards based on modeling. He noted that the combined emissions from Black Hills Power and the Cement Plant constitute the fourth highest emission site in the State and may likely be required to be monitored based on the height of the stacks and the potential impact on population. Schultz indicated that the one hour SO<sub>2</sub> and NO<sub>2</sub> standards are very hard to address through mitigation and the one hour standard makes it difficult to build any new infrastructure that complies with the proposed standards. He indicated that the Environmental Protection Agency is now relying on modeling over monitoring for determining non-attainment status for the SO<sub>2</sub> standard. He indicated that several states have already filed legal action and South Dakota has joined the litigation.

Discussion followed on the proper role of modeling in determining health impacts and determining non-attainment areas and how the use of modeling affects the regional haze standards. Schultz noted that the move is away from actually detecting the emissions to relying on modeling. Schultz explained that the NO<sub>2</sub> standard is going to be treated in the same manner as the SO<sub>2</sub> standard in that the Environmental Protection Agency will determine non-attainment based on modeling.

Schultz reviewed the ozone regulations and indicated that he has been told that the ozone standard will likely be reduced with the final decision likely to be made after the November election. Schultz noted that the concentration values were higher at the Badlands monitoring site and the Wind Cave monitoring site in the early 1970's. He noted that the current levels have dropped; however, there is significant concern with the transport from Colorado and Wyoming increasing the ozone standards in the future. Schultz indicated that the Environmental Protection Agency has been reviewing the regional issues and has noted that the research indicates that the weather patterns may have impacted the levels being experienced. He noted that it is hard to model ozone and as a result it is unlikely that modeling will be used in determining attainment or non-attainment.

Discussion followed on the existing standards and the regional affects and the impact on South Dakota and the attainment areas. Schultz noted that ozone and PM<sub>2.5</sub> are related to regional transport and indicated that South Dakota is on the receiving end from urban areas. In response to a question from Elkins, Schultz explained the mitigation measures that could be required if the community or State were identified as a non-attainment area including the Federal conformity issues, as well as the required inspection and maintenance of vehicles.

Schultz outlined the particulate matter standards are also being reviewed and he identified the various changes that are being discussed for both PM<sub>2.5</sub> and PM<sub>10</sub>. Discussion followed.

Alan asked for clarification of the regional haze issues. Schultz reviewed the potential impact on the visibility issues in the class one areas, Mount Rushmore and at the Badlands. He expressed the State's concern that the modeling approach will not reduce the impacts of regional haze on class one areas. Discussion followed on the visibility standards, the impact of transport from out of state related to forest fires and Kansas field burning and the development of a smoke management plan.

Elkins asked for clarification of what roles the City, County and Air Quality Board can take to support a reasonable approach to the development and adoption of the Federal standards noting the significant affects that non-attainment could have on the community and economic development. Discussion continued.

**Motion by Riggio and second by Wiebers to authorize the Chairperson to sign the 2011 Pass Through Agreement. The motion carried unanimously.**

**Motion by Riggio and second by Wiebers to approve the Heavy Constructors, Inc Compliance Plan Permit. The motion carried unanimously.**

**Motion by Riggio and second by Steinley to approve the RCS Storage Compliance Plan Permit. The motion carried unanimously.**

**Motion by Wiebers and second by Steinley to acknowledge the City of Rapid City Compliance Plan Annual Inspection Reports (3). The motion carried unanimously.**

**Motion by Riggio and second Steinley to acknowledge the DM&E Compliance Plan Annual Inspection Report. The motion carried unanimously.**

**Motion by Riggio and second by Steinley to acknowledge the Horst Properties, LLC Compliance Plan Annual Inspection Report. The motion carried unanimously.**

**Motion by Riggio and second by Steinley to acknowledge the Munoz Logging & Construction Compliance Plan Annual Inspection Report. The motion carried unanimously.**

**Motion by Steinley and second by Riggio to acknowledge the Nelson Ditching and Excavating, Inc. Compliance Plan Annual Inspection Report. The motion carried unanimously.**

**Motion by Wiebers and second by Steinley to continue the Pennington County Highway Department compliance Plan Annual Inspection Report to the next meeting. The motion carried unanimously.**

**Steinley moved to acknowledge the RCS Storage Compliance Plan Annual Inspection Report. Riggio seconded the motion and the motion carried unanimously.**

**Riggio moved to elect Wiebers as the Vice Chair. The motion was seconded by Steinley and approved unanimously.**

Discussion followed regarding the health impacts of the various Federal standards for Air Quality. Riggio suggested that the City consider replacing the industry representative with a representative of health/respiratory specialties. Discussion continued regarding amending the ordinance and making one of the two existing industry positions a representative of the health and respiratory issues.

Wiebers expressed concern with removing one of the two existing industry members noting that the industry has the greatest capacity to improve the air quality in the community through their actions. Discussion followed.

**Riggio moved to request that the Mayor appoint someone with a health background in the respiratory area if possible to the vacant business position on the Air Quality Board.** The motion was seconded by Wiebers. A brief discussion followed. **The motion carried unanimously.**

**Riggio moved to adjourn. The motion was seconded by Wiebers and carried unanimously.**

Allen adjourned the meeting.