

**Air Quality Advisory Council
Draft Minutes – April 7, 2009**

Members / Alternates Present: Jason Boeckel, Dan Cottrell, Bill Flannery, John Garberson, Jan Hoem, Bert Chessin, Garon Smith, Tova Sardot

Staff Present: Mamie Colburn

Public Present: Guy Hanson

- 1. John Garberson called the meeting to order.**
- 2. Excused Absences Recognized.** Sue Spanke, Beth Berlin, Patricia Hogan
- 3. Minutes were approved from March.**
- 4. No public comment on non agenda items.**

5. Journal Article – Bill Flanery. Making Green Energy Work May Depend on Three Unlikely Heroes: An Australian Engineer, A Battery, and the Element Vanadium, by Robert Johnstone. From Discover Magazine. Green energy is often dependent on weather and is thus uncertain. For example, as wind energy increases, the day to day uncertainty of this power source is a problem. One way to deal with this is with battery back-up. Vanadium batteries were invented years ago but are now being adapted to wind and solar technology. Currently vanadium battery cost is prohibitive and reliability is an issue. The cost and size of batteries may decrease in the future to allow these to be able to put in individual homes in the future.

Jan noted that a friend of hers is putting in solar electric system in the Rattlesnake. Her friend is doing this because of major tax incentives available at the state and federal level. Jan will give next month's journal article summary.

6. Draft Regulation Re-write. Mamie Colburn went over the draft regulations chapter by chapter, line by line with the Council. Council members made comments on the regulations and these were noted in blue type in an electronic version of the regulations. The only member of the public present, Guy Hanson, asked to make his public comments as we went through the regulations. He council granted this request.

Major Council comments are summarized here:

- The Council wanted to know if the word crustal in Rule 4.104 was defined anywhere. Staff explained that this was in relation to the urban, often road-dust created sources of PM₁₀.
- Council was concerned about the Stage III Crisis and Stage IV Emergency PM_{2.5} levels in the draft. Some members felt that the Stave IV Emergency PM_{2.5} were too high, and they were not equivalent with the lower magnitude of difference seen between Crisis and Emergency in the other pollutants. Another member pointed out that PM_{2.5} Emergency levels had stringent repercussions for public activity and should be set high.

- The Council debated whether Industrial sources should be included in the Chapter 6 Regulation revisions.
- The Council found the wording in Rule 9.102 confusing. They wanted to know if new installed stoves included old stoves as well. Answer- yes as defined they do, but you must refer back to the definitions and other sections of the regulations.
- John Garberson asked why devices in the Air Stagnation Zone were limited to pellet stoves, not just devices that were under 1.0 grams. (Consulting with staff member Ben Schmidt later, he explained that this is because of the real world operation of these pellet stoves is more controlled and hard to operate poorly. You can rely on these devices to produce the emissions they say they will but woodstoves are more prone to be used poorly and produce more emissions than testing levels indicate.)

Major points of public comment are summarized here:

- 10 g/hr maximum burn rate is too low
- Rule 9.201 needs to be clarified
- Any additional detailed public comment from the member of the public present, Guy Hanson, was requested in writing to facilitate the groups progress through the meeting

After discussing the draft regulations the Council discussed creating a subcommittee to further address the regulation re-writes. The Council felt it would be helpful to have the subcommittee meet to clarify questions they might still have on the draft regulations and to coalesce their perspective for the Board. The council made a motion to create a subcommittee and this motion passed. John asked for volunteers. Bill, Bert, and Jason volunteered. John will also serve on the subcommittee. Staff will get back with the council on the public notice requirements and public participation requirements for subcommittee meetings.

7. Staff Report. No further information to report, efforts have been on the regulation re-write.

8. Public comment was made during agenda item #6.

9. Announcements. Next meeting will be May 5, 2009.

10. Meeting was adjourned.