



Minutes: Board of Directors Meeting
Date: March 28, 2012
Location: G.H. Dawe Centre Boardroom, Red Deer

In attendance

Board Members and Alternates:

Jim Ainslie, Public
 Kelly Bauer, Government
 Rod Boshnick, Industry
 Andrea Brack, Industry
 Bob Bryant, Government
 Tyler Callicot, Government
 Bonnie Denhaan, Public
 Paul Harris, Government
 Amber Hines, Government
 Barry Kinnaird, Industry
 Cliff Knutson, Government
 Jim Saltvold, Public
 Clay Tjostheim, Industry
 Wayne Ungstad, Public
 Reg Watson, Public
 Kevin Warren, Executive Director

Meeting Support:

Kim Sanderson

Not Attending

Buck Buchanan, Government
 Dale Christian, Public
 Ken Dahl, Government
 Brian Goliss, Industry
 Esther Johnston, Government
 Bill Knight, Public
 Andy Lamb, Government
 Jennifer Lutz, Government
 Jim McKinley, Government
 Kim Ng, Public
 Dan Richen, Government
 Al Simcoe, Industry
 Leonard Standing on the Road, Public
 Brian Vanderzwan, Industry

Committee Representatives

Aaron Rognvaldson, TWG

ACTION ITEM SUMMARY

Item	Who	Deadline
66.1: In 2012, the TWG will revisit the density of the passive monitoring network, decide if a study is needed, and report back to the Board.	TWG	Sept. 19
67.2 Kevin will report back to the PAMZ board on an apparent new strategic direction that is more proactive on air emissions.	Kevin Warren	June 20
68.1: Kevin will prepare a summary of strategic plans from other airsheds when he receives all the plans.	Kevin Warren	June 20
68.2: Paul and Kevin will draft a letter to Red Deer City Council supporting the solar-ready notice of motion for signature by the PAMZ chair.	Paul Harris, Kevin Warren	April 20
68.3: Kevin will follow up with CASA to ensure they have Jim's contact information and that Jim is on the list for the Animal and Human Health Team.	Kevin Warren	April 20
68.4: Kevin will arrange the logistics for the June 20 board meeting and AGM.	Kevin Warren	May 31

Reg Watson convened the meeting at 3:00 pm. Those present introduced themselves.

1. ADMINISTRATIVE ITEMS

1.1 Approve Agenda

A section on upcoming meetings and events was added under Other Business. The agenda was approved with this addition.

1.2 Minutes of January 25, 2012 Meeting

The minutes of the January 25, 2012 meeting were approved by consensus.

1.3 Report on Action Items

Item	Status
66.1: In 2012, the TWG will revisit the density of the passive monitoring network, decide if a study is needed, and report back to the Board.	Carry forward. The TWG expects to see the report from a graduate student looking at the precision, accuracy and uncertainty of passive samplers by late spring. The results of the study will be incorporated into a RFP for a PAMZ study that will begin when funds are available. The RFP will be discussed at the TWG fall meeting.
67.1 The Executive will draft an attendance policy and bring back to board for further discussion	On today's agenda.
67.2: Kevin will follow up with CASA to find out more about an apparent new strategic direction.	The Alberta Airsheds Council has invited a CASA representative to provide a CASA update at its April 16 meeting in Edmonton. Kevin will report back to the PAMZ board.
67.3: Kevin will request five-year plans from other airsheds to see if there are opportunities for collaboration.	Done. Kevin has received several documents and will repeat the request at the AAC's upcoming meeting.

Action 68.1: Kevin will prepare a summary of strategic plans from other airsheds when he receives all the plans.

1.4 Memberships

PAMZ has received \$491,319 from 15 large member companies who are required to participate in PAMZ; three companies whose invoices total \$147,047 have yet to pay. Municipalities were invoiced a total of \$92,946, but no payments have yet been received. To date, \$9,000 has been received from small non-oil and gas companies. The rest of the small company invoices will go out in April now that 2010 ERCB production data has been received. Kevin plans to give a presentation to the Town of Sundre, focusing on the monitoring results from the area, and will solicit their participation in PAMZ. He is also working to get a date for a presentation to Red Deer County Council.

2. COMMITTEE REPORTS

a) Technical Working Group (TWG)

Aaron Rognvaldson reported that the TWG met March 23 via videoconference. The TWG reviewed monitoring results including a summary of 2011 passive data, and heard a presentation on the final report from NOVUS Environmental on the Red Deer station relocation study. Two new sites are being considered: one near the Michener Centre and one near 30th Ave. and 22nd St. Both are east of the current location, and both have advantages and disadvantages. The McCoy station will monitor at both locations later in the year when PM_{2.5} levels tend to be higher; data from both sites will be reviewed and a

decision made about which one to select as a permanent site. Kevin will work with the City of Red Deer to ground-truth the sites and review future land use plans.

Aaron has agreed to remain as chair of the TWG for another two-year term. Brian Goliss mentioned a new technology that uses solar power for remote monitoring, and the TWG has plans to explore this further.

b) Air Monitoring Program

Observed levels at the Caroline station were within normal operations and there have been no problems since the last meeting.

At Red Deer Riverside, there was one PM_{2.5} exceedance on Feb. 29 at 33 µg and this was reported to Alberta Environment and Water (AEW). A power pole transformer caught fire on March 6 but power was temporarily restored later that day. As a result the station was powered down March 7-8 and restored after permanent repairs were made; all parameters were calibrated March 9 and the station will be below the 90% operating requirement for March.

The Martha station was at the Mirror site Jan. 5-Feb. 9. Winds were mostly from the south; elevated NO₂ and THC levels correlated well with winds from direction of the railyard, although there were no exceedances. There were problems with the THC/CH₄ analyzer, which ran at 89.5%. The station was at Bluffton from Feb. 9-March 8. The highest observed SO₂ level was 16 ppb. All readings were within historical normals at this site. The station has been at Delburne since March 8, where numerous SO₂ readings have been noted with SW winds. The peak was 115 ppb and a few hourly averages have been over 50 ppb. This was discussed with ERCB staff and they are monitoring the situation and will dispatch a mobile unit at an appropriate time. This is follow-up to monitoring done in 2010 in response to SO₂ readings that were considered significant for the monitoring program, although there were no exceedances. From April 4-May 9, the station will be at the Schrader site (to be renamed "Garrington" site) at a residence near which there is a lot of drilling activity.

The McCoy station was in West Sundre from Oct. 6-Jan. 31. Levels were typical of similar sized towns in the zone and demonstrated a diurnal NO₂/THC pattern corresponding to high traffic periods (rush hours). The station is now at Crossfield-Carstairs and levels to date are within historical normals with no distinct correlations with the Crossfield plant. The PM_{2.5} analyzer was down Feb. 25- March 1 so operation will be less than 90% for February.

The 2011 passive results are similar to previous years. SO₂ levels have been declining in PAMZ since 2000 due to lower production, plant upgrades and reduced flaring. NO₂ readings dropped 44% in the last two years, following a previous gradual decline. This new trend will be monitored to see if it is an anomaly. Motor vehicles are the biggest source of NO₂ in the zone. Ozone levels are highest in the west country because in other parts of the zone, there is more NO, which reacts to reduce ozone levels ("scavenging"). There is an increasing trend for ozone passive results, and Kevin is comparing the passive readings with the continuous sites to see how they correlate.

c) Ozone Management Plan (OMP)

Kevin reported that the OMP committee met Feb. 9 to review the Burning Bylaw and Agricultural BMP reports. Comments from the meeting were incorporated and the revised final reports distributed. After reviewing the medium-term objectives for 2012, the

committee decided funding from AEW is not needed as most of these objectives involve monitoring progress of partner organizations. Two ozone workshops were planned for 2012 (with West Central stakeholders and SPOG), but the organizations decided instead to deliver these as presentations and inform people about available resources to address this issue. The committee is seeking nominations for the 2012 Action Hero awards and wants to recognize everybody who is taking action on reducing ozone precursors.

d) Issues Response Group (IRG)

The IRG last met Feb. 22, focusing on the 2012 issues identification public meeting. This meeting will be May 16 at the Walking Eagle Inn in Rocky Mountain House from 6:30-9:00 pm. Rhonda King from AEW has agreed to facilitate the meeting. The IRG used the new issues identification process to review a complaint of SO₂ odours in the Ferrier area west of Rocky Mountain House. It was decided not to conduct air quality monitoring at this time and the resident was encouraged to attend the May 16 public meeting and raise her concerns there. PAMZ received an inquiry about monitoring barium and aluminum concentrations from airplane chem-trails. The person was directed to Environment Canada who does such monitoring and was also invited to attend the May 16 meeting.

e) Communications Committee

Paul Harris advised that he has given a notice of motion to Red Deer City Council that all new homes in Red Deer should be built "solar ready." As technology becomes less expensive and more available, it could be installed at less cost to homeowners. He asked if PAMZ would provide a letter of support for this notice of motion.

The Board agreed by consensus that PAMZ will send a letter to Red Deer City Council in support of the notice of motion related to new homes in Red Deer being built "solar ready."

Action 68.2: Paul and Kevin will draft a letter to Red Deer City Council supporting the solar-ready notice of motion for signature by the PAMZ chair.

Kevin provided a detailed report from the Communications Committee, noting the following main points:

- Presentations were made March 15 to Sundre High School and March 26 to West Central stakeholders. Kevin is waiting to hear back about his request for a date to present to Red Deer County Council.
- The new service for electronic delivery of the newsletter enables tracking to determine who opens the newsletter and where they go next (PAMZ website, photo contest, Facebook page, etc.). The next newsletter will be out in July and Kevin reviewed the proposed contents.
- The photo contest was very successful with a total of 94 entries; winners are posted on the website. The committee will be making a few changes for next year's contest.
- PAMZ has seen a big increase in visits to the website, and Kevin presented some of the overall statistics.
- The committee is looking at options for new promotional items and continues to seek opportunities for events to feature the PAMZ booth and materials. The booth may be set up at one stop on the Battle River Bike Tour, being sponsored by the Battle River Watershed Alliance. The committee is planning a \$500 donation to this event to offset its costs, which can be funded out of the

committee's budget.

f) Financial

Bob Bryant did not have a paper report and exact numbers for financials for this meeting as the transition to a new bookkeeper is ongoing. Membership funds are coming in so cash flow is good. Kevin has provided all the audit documents needed by the accountant, and the 2011 audit has begun.

3. UPDATE ON CASA ACTIVITIES

No formal update was received from CASA for this meeting. Kevin and other members briefly noted the work of teams and committees with which they are involved.

- The Operations Steering Committee has not met since last fall.
- The Alberta Airsheds Council (AAC)-CASA joint committee has finalized the table of contents to be used by a consultant who is preparing a discussion document that will be used as a foundation to address key task 3 from the committee's terms of reference. This document is expected by the end of May.
- The reconvened CFO team had a workshop on March 22 to hear about progress in implementing the original team's ten recommendations from 2008 and to decide if there is a role for a subsequent CASA team in advancing this issue. The group will meet again on May 24 to further discuss a potential CASA role. The Alberta Capital Airshed Alliance is also doing some work on odour, and held an odour management workshop in Edmonton. Several PAMZ members attended.
- The Animal and Human Health Team met recently. Jim Ainslie had agreed to represent PAMZ on this team but had not been informed of this meeting. Ila Johnston is a corresponding member. Jim attended the ACAA workshop, noting that it seemed to be more focused on odours in large urban areas (e.g., wastewater treatment plants).

Action 68.3: Kevin will follow up with CASA to ensure they have Jim's contact information and that Jim is on the list for the Animal and Human Health Team.

4. ALBERTA AIRSHEDS COUNCIL (AAC) UPDATE

The AAC co-chairs met with AEW Minister Diana McQueen on Feb. 28. Airsheds were advised they will continue to play a role in the new monitoring program. An expert group has been formed to advise on implementation of the previous monitoring panel's recommendations, particularly with respect to governance and funding. The Minister reinforced the need for a central, independent, science-based monitoring agency. Airsheds will have an opportunity to provide local and regional input to this central agency.

The next meeting of the AAC is April 16. CASA is invited to provide an update on recent activity. It has become necessary to start over with the AAC application to become a society, but there is no reason to think this will take a lot of time. LICA is holding the AAC funds in trust for now.

5. OTHER BUSINESS

PAMZ Attendance Policy

After much discussion, the executive committee decided that an attendance policy is not warranted at present. PAMZ's operations are fairly informal and no distinction is made between directors and alternates in terms of their participation at the board. A formal attendance policy would change this and could potentially have the opposite effect to what is desired, by discouraging input. The executive recommends that an attendance policy not be developed at this time, that the situation be monitored to ensure good representation from the three sectors, and that PAMZ revisit the matter in 2013 if necessary.

Events and other meetings

AEW, Alberta Energy and other government departments are holding an information session on April 2 with Deputy Ministers to inform airsheds about opportunities related to air quality management, a provincial environmental monitoring system, development of the national air quality management system in Alberta, a new Clean Air Strategy and other topics. The Chair and Executive Director from each airshed were invited, but both Al and Kevin are unable to attend. Reg Watson will attend on behalf of PAMZ, and Andy Lamb will also be there. Another meeting will be held with AEW on April 18 in Calgary of the southern Alberta airsheds and watersheds to discuss the cumulative effects approach to monitoring and management. Kevin will report back on this event.

Kevin briefly listed other upcoming events in the zone, many of which are noted on the PAMZ website.

6. NEXT MEETING

The next meeting will be held on June 20, followed by the AGM, in Bentley.

Action 68.4: Kevin will arrange the logistics for the June 20 board meeting and AGM.

The board meeting adjourned at 5:27 pm.