



PAMZ | Parkland Airshed Management Zone

Minutes: Board of Directors Meeting
Date: March 31, 2010
Location: Kinex Arena, Red Deer

In attendance

Board Members and Alternates:

Jim Ainslie, Public
Bob Bryant, Government
Dale Christian, NGO
Lloyd Cumming, Public
Bonnie Denhaan, Public
Cody Dziadek, Industry
Brian Goliss, Industry
Amber Hines, Government
Andy Lamb, Government
Lynne Mulder, Government
Greg Rathjen, Government
Dan Richen, Government
Al Simcoe, Industry
Wayne Ungstad, NGO
Reg Watson, Public
Kevin Warren, Executive Director

Meeting Support:

Kim Sanderson

Absent with Regrets

Rod Boshnick, Industry
Simon Cobban, Industry
Ryan Hornett, Industry
Bill Knight, Public
Jennifer Lutz, Government
Jim McKinley, Government
Vicky Monfette, Industry
Kim Ng, Public
Cory Sieben, Industry
Leonard Standing on the Road, Government

ACTION ITEM SUMMARY

| Item | Who | Deadline |
|---|---------------------------|-----------------|
| 59.1: Executive will discuss further and finalize proposed changes to the bylaws. Kevin will make arrangements for a special meeting to revise the bylaws at the start of the June 16 meeting | Executive Kevin Warren | May 23 |
| 59.2: Kevin will communicate decision to the Rocky Mountain Regional Solid Waste Authority. | Kevin Warren | April 1 |
| 59.3: Kevin will get more details about the meeting in Mirror and attend if possible. | Kevin Warren | April 1 |
| 59.4: At its next meeting, the executive will review and assign objectives in the four categories of the five year plan to the appropriate PAMZ group or committee. | Executive Committee | June 15 |
| 59.5: Kevin will secure the Kinex Arena for the June board meeting and AGM. | Kevin Warren | April 15 |

Brian Goliss convened the meeting at 3:04 pm. Those present introduced themselves.

1. ADMINISTRATIVE ITEMS

1.1 Approve Agenda

The agenda was approved as circulated.

1.2 Minutes of January 21, 2010 Meeting

The January 21, 2010 minutes were approved as circulated.

1.3 Report on Action Items

| Item | Status |
|---|--|
| 58.1 Kevin will add a request for decision on redeploying the Martha trailer for monitoring Rocky Mountain Regional Solid Waste Authority's landfill to agenda of February IRG meeting. | Done, will be discussed later in the meeting |
| 58.2: Kevin will request a presentation from Bev Yee on GOA's Cumulative Effects Management Strategy. | Done. Stephanie Clark will do the presentation. |
| 58.3: Kevin will distribute the draft objectives with a timeline for feedback so the committee can refine the plan. | Done. Received some feedback. Members were encouraged to provide any further comments. |
| 58.4: Kevin will try to secure the Kinex Arena for the March board meeting. | Done. |

1.4 Memberships

Kevin reported that payment has been received from 14 of the 18 large industry members, totaling \$465,193, which leaves about \$177,000 still outstanding. Of the companies that are not obliged to participate in PAMZ, 23 have responded to the invoices, paying a total of \$24,000. Municipalities were invoiced for \$89,000 (less a \$7,500 credit to the City of Red Deer for providing the monitoring site). To date, \$45,000 has been collected. Continuing municipal members are the City of Red Deer; the counties of Mountain View, Clearwater and Lacombe; and the towns of Rocky Mountain House and Bentley. The three new municipal members are the towns of Rimbey and Lacombe and the village of Caroline.

The executive committee has discussed the merits of revising the bylaws to amalgamate the two sectors of NGO and public on the PAMZ board. This administrative change would increase the chances of always having quorum and would be more aligned with other airsheds. PAMZ would continue to encourage NGO participation, but they would not have a separate category. The bylaws would need to be changed in three places, and this would require a special meeting. The executive will finalize the details on this process. A special meeting would be held in conjunction with the AGM.

Action 59.1: The executive will discuss further and finalize proposed changes to the bylaws. Kevin will make arrangements for a special meeting to revise the bylaws at the start of the June 16 meeting.

2. COMMITTEE REPORTS

a) Technical Working Group (TWG)

The TWG met March 26. Kevin presented a map with locations of current monitoring sites.

At the Caroline station, since the last meeting there have been no observations outside historically normal levels. For the Red Deer site, all readings were within historically

normal ranges except for fine PM (PM_{2.5}). Since the beginning of January to present, the 24-hour objective for PM_{2.5} (30 µg/m³) was exceeded on 16 dates. PM_{2.5} exceedances were observed in a number of sites in southern and central Alberta during this time, mostly as a result of meteorology producing fog and inversions which create high PM_{2.5} levels. If next year is similar, there is potential to reach the “management plan” level for fine PM under the Canada Wide Standard, based on a three-year average. This would require the development of a management plan for fine PM, similar to what was done for ozone. The Delburne and Gadsby Lake sites also saw PM_{2.5} exceedances, all on the same dates.

PAMZ previously adjusted the schedule for the Martha station for January, moving it to Jackson Creek as part of a joint investigation by the ERCB, AENV and Alberta Health Services (AHS). This investigation arose due to emissions from a local gas processing plant, so SO₂ and TRS were the main focus. Relatively low levels of SO₂ and TRS were observed, levels well beneath the applicable air quality objectives. On one day in the early morning, two hourly averages for PM_{2.5} were 100 µg/m³ or higher; the guideline is 80. Winds were from the southeast for the period before during and after the exceedances. It was concluded that the PM_{2.5} data are valid and there is no reason to discount the readings, but there is a question as to the source. No other parameters were elevated at the same time. AHS did some indoor air sampling at the residence during the investigation and conducted an interview with the resident. Based on their indoor air quality assessment and the interview conducted with the resident no major health related issues related to emissions from a gas processing plant could be identified. At its meeting last week, the TWG concluded that a second month of monitoring at this location in the summer was not necessary.

For February, the Martha station was located near Delburne at Hilltop Greenhouses. Sulphur dioxide was the main concern. No hourly readings approached the air quality objective for SO₂, but there were a lot of spikes (high instantaneous values in the 170-180 ppb range). At the time, there were high winds from the southwest, which correlated well with the resident’s concerns. The ERCB will do some monitoring and coordinate a survey in the area on a day with southwest winds to try and pinpoint the source(s) and will follow up as needed.

The Martha station was at Nevis for March, where a lot of southwest winds were also noted. Problems with the power supply caused some analyzers to malfunction, but an electrician fixed the problem and the equipment is now working as it should. The station will go to Edgar Industrial Park in April, at the Red Deer City Soccer Association clubhouse which is downwind of the local industrial sources.

Based on the results at the Jackson Creek site, the Martha station will go to the Rocky Mountain Regional Solid Waste Authority landfill in July, as requested.

Action 59.2: Kevin will communicate decision to the Rocky Mountain Regional Solid Waste Authority.

The McCoy station was at the Gadsby Lake site northeast of Lacombe for Q1. The concerns of area residents were related to air quality and to various oil and gas impacts, as there are some 200 facilities within a 10-km radius of the site. A lot of low level SO₂ was noted but other values were normal. The site has experienced some vandalism; the lock was cut on the trailer but there was otherwise no damage.

In response to the Stantec recommendations for addressing data gaps for ozone monitoring, PAMZ has worked with AENV and Environment Canada to identify locations where there could be a build-up of anthropogenic ozone. Based on their analysis and advice, the TWG decided to monitor in the Trochu area west of Highway 21 from April 15-September 30. The station will be overhauled the first week in April prior to deployment. Kevin has identified a good tentative site and is waiting for confirmation of power availability.

For the passive sites, higher SO₂ and slightly higher NO₂ readings were observed in January due to the same conditions that gave rise to high PM_{2.5}.

Other items addressed by the TWG:

- The Red Deer River Watershed Alliance invited Kevin to join their technical committee which is preparing the integrated watershed management plan. The TWG approved Kevin's representing PAMZ and Kevin will communicate this decision back to the Red Deer River Watershed Alliance.
- Environment Canada had requested direct access to PAMZ data rather than going through the CASA Data Warehouse (CDW). Environment Canada needs real-time data, which becomes a problem when the CDW is down. Given the sensitivities with Health Canada and Environment Canada accessing data that could be used to report the Air Quality Health Index (AQHI), which is not presently used in Alberta, the TWG said it would permit direct access with the understanding that it would not be used for public reporting of the AQHI.
- CDW data providers and AENV are meeting April 29 to discuss CDW audit results. Some issues regarding airsheds' (including PAMZ) raw and processed data were identified in the report.
- There was a request from Alex de Visscher at U of C who is looking for additional areas to add to his modeling project. PAMZ will send a letter offering him PAMZ' data via the CDW. If he needs higher resolution data, PAMZ can provide it, but he would have to pay any associated costs. The letter will also indicate that PAMZ member companies are willing to provide actual emission data.

b) Ozone Management

Brian Goliss advised that all the short-term actions in the Ozone Management Plan (OMP) have been completed. PAMZ invoiced AENV and has received a cheque. For next year's actions in the Action Plan, PAMZ will submit a grant application to AENV for about \$35,000. The only short-term action that is not done relates to adapting the education materials from Fort Air Partnership for PAMZ. PAMZ's website has a link to FAP's material. The City of Red Deer is the first recipient of the Action HERO award due to their anti-idling campaign. They will be formally recognized on Clean Air Day. PAMZ is looking for more Action HERO nominees.

AENV is holding a workshop on April 13 at which all airsheds that have done OMPs will report back on their findings, progress and steps for next year.

c) Financial and Funding

Bob Bryant reported that PAMZ has \$244,163 in its savings account, \$197,066 in the chequing account and \$13,984 in the Alberta Airsheds Council (AAC) account that will soon be closed and transferred to the AAC. PAMZ is in good financial shape and the 2009 year-end audit will begin shortly.

d) Communications Committee

Kevin advised that the rebranding and website redevelopment work is done. The website designer is still working to get the site running as well on personal digital assistants (PDAs) as on a computer. The data page has been the most challenging. Data will be kept online for about two years and after that, visitors will need to go to the CDW. The new logo works well in all its applications and PAMZ now has a full suite of communications materials including a display. This work was under budget by a few thousand dollars.

Kevin provided a brief tour of the website, noting that it is now possible for both him and the PAMZ communications consultant to add new pages and make changes directly to the site. PAMZ is planning to add more information on air quality and health.

The Communications Committee has revised its communications plan to reflect the recent rebranding work and is focusing now on how to use the new materials. A spring newsletter is in production and will have a new format. Changes are also proposed to the annual report format. Rather than one large report, there will be four smaller reports:

- State of the Airshed – 4 pages
- AQM Program Summary – 20 pages
- Ozone Management Plan Summary – 6-8 pages
- Financial Performance Summary – 1 page

Effort is also going into events on Clean Air Day on June 2 during Environment Week. Kevin is doing a lunchtime presentation at the Red Deer library on June 2, PAMZ will announce the Action HEROs, AENV will bring the MAML to Red Deer, and two bike tours with the Kerry Wood Nature Centre may be held during Environment Week.

e) Issues Response Group (IRG)

The IRG met February 10 at the Johnstons. The main focus was organizing the public meeting, which will be May 19 in Innisfail at the Legion Hall from 7-9 pm. Rhonda King will facilitate again. Board members are strongly encouraged to attend.

An air quality meeting is being held in Mirror in early April. Concerns relate to idling of trains in the town.

Action 59.3: Kevin will get more details about the meeting in Mirror and attend if possible.

3. REPORT ON CASA ACTIVITIES

Kevin and Wayne reported on the following CASA activities:

- Operations Steering Committee has not met for some time.
- PM and Ozone Implementation Committee meets May 26. The focus will be to ensure all recommendations associated with the Ozone Management Framework are being implemented and hear what the airsheds are doing.
- Kevin presented a PAMZ update to the CASA board on March 24. At that meeting, the board approved the recommendations from the Airshed Zones Board Committee. This committee was formed to address a request from the Alberta Airsheds Council (AAC) for a seat on the CASA board. It was decided not to pursue a seat at this time;

rather, the committee recommended the formation of a standing committee with representatives from airshed zones and the CASA board. This committee will be very focused on airshed zone issues. The board agreed that AAC will be provided with the agendas for CASA board meetings in advance so if there is an issue that affects the AAC or its members, they can go to the meeting and be more than an observer. If an individual airshed has an issue that they feel needs CASA board involvement at a strategic level, they will have the opportunity to get on the agenda. The regular presentations by individual airsheds will be discontinued.

- Brian and Kevin attended a March 22 workshop sponsored by AENV and facilitated by CASA, to which airsheds were invited. Airsheds and AENV are looking at their relationship now and in the future with the shift to cumulative effects management. The workshop focused on potential future roles for airshed zones. Participants also heard about the Integrated Monitoring and Environmental Reporting Framework (IMERF) being prepared by AENV. A draft report may be ready for distribution by June and PAMZ may want a presentation at a future meeting.
- CASA is planning the coordination workshop for June 2 at SAIT but it may be postponed because many potential participants are involved in other Clean Air Day activities.
- The Electricity Framework Review is done but the team was unable to reach consensus on Best Available Technology Economically Achievable (BATEA) and an associated standard for non-peaking gas plants. The material and positions will be forwarded to the minister for decision.

4. ALBERTA AIRSHEDS COUNCIL (AAC) UPDATE

The AAC met March 25. There were a few deficiencies in the application for society status and these are being addressed. This is not uncommon and the application has been resubmitted. AAC expects to have society status in the next couple of months. The next meeting is June 14 in Canmore, followed by a meeting September 16-17 in Fort McMurray, including a tour.

5. OTHER BUSINESS

a) Planning Committee Update

Andy reported that the Planning Committee met after the last board meeting and reviewed the objectives in the Five Year Plan. The plan has been revised in light of board feedback and is now ready to go to the next level. This involves laying out actions and work plans to achieve the objectives over the next five years. Each of the four categories in the plan needs to be examined in more detail. One approach is to assign objectives to existing groups or committees that best fit with the topic. The board briefly considered the objectives and tentatively assigned some of them as follows:

TWG: 1.1, 1.2, 1.3, 1.5, 1.6, 2.2, 2.3

IRG: 1.4

Executive: 2.1

Ozone Management: 2.4

Action 59.4: At its next meeting, the executive will review and assign objectives in the four categories of the five year plan to the appropriate PAMZ group or committee.

6. LOCATIONS AND PRESENTATIONS AT FUTURE BOARD MEETINGS

The next board meeting and the AGM will be held June 16 at the Kinex Arena. The board meeting will go from 3:00 to 6:00 as usual, followed by dinner from 6-7 and the AGM at 8.

The meeting adjourned at 6:00 pm.

Action 59.5: Kevin will secure the Kinex Arena for the June board meeting and AGM.

Stephanie Clarke, Director of the Cumulative Effects Management Implementation Team in Alberta Environment, provided an overview of Alberta's Cumulative Effects Management System (CEMS). AENV has been working over the last year to transition its environmental management approach to more effectively deal with cumulative effects. The Land-use Framework provides the overall strategic direction and CEM is the way regional planning will be implemented. CEMS will be enabled through legislation, which could include amendments to EPEA and the Water Act.