



PAMZ | Parkland Airshed
Management Zone

Minutes: Board of Directors Meeting
Date: September 22, 2010
Location: G.H. Dawe Centre Boardroom, Red Deer

In attendance

Board Members and Alternates:

Jim Ainslie, Public
Rod Boshnick, Industry
Bob Bryant, Government
Bonnie Denhaan, Public
Cody Dziadek, Industry
Andrea Hiba Brack, Government
Amber Hines, Government
Ryan Hornett, Industry
Andy Lamb, Government
Greg Rathjen, Government
Al Simcoe, Industry
Brian Vanderzwan, Industry
Ron Wagener, Government
Reg Watson, Public
Kevin Warren, Executive Director

Meeting Support:

Kim Sanderson

Absent with Regrets

Dale Christian, Public
Lloyd Cumming, Public
Simon Cobban, Industry
Ken Dahl, Government
Brian Goliss, Industry
Bill Knight, Public
Jennifer Lutz, Government
Alasdair Mackinnon, Government
Vicky Monfette, Industry
Lynne Mulder, Government
Kim Ng, Public
Dan Richen, Government
Leonard Standing on the Road, Government
Wayne Ungstad, Public

ACTION ITEM SUMMARY

| Item | Who | Deadline |
|---|--------------|----------|
| 61.1: Kevin will investigate options for future meeting locations and report back to the executive, where a decision will be made for the November meeting. | Kevin Warren | Oct. 15 |
| 61.2: Kevin will contact WBEA to see if they could provide a speaker for the November 24 PAMZ board meeting, and will advise the executive. | Kevin Warren | Oct. 15 |

Al Simcoe convened the meeting at 3:05 pm. Those present introduced themselves.

1. ADMINISTRATIVE ITEMS

1.1 Approve Agenda

The agenda was approved as circulated.

1.2 Minutes of June 16, 2010 Meeting

The minutes of the June 16, 2010 special meeting were approved by consensus as circulated. Kevin has amended the bylaws in the noted clauses and will submit to Corporate Registry now that the minutes have been approved.

The minutes of the regular meeting on June 16, 2010 were approved by consensus as circulated.

1.3 Report on Action Items

| Item | Status |
|---|--|
| 60.1: Kevin will distribute material on writing a charter to the board. | Done |
| 60.2: The executive committee will draft a charter for its 2010 deliverable and circulate as an example; the board may then wish to have a workshop on charter-writing. | Executive refined a draft based on Rod's presentation and this will be discussed later in the meeting. |
| 60.3: Board members will look at the five-year plan, consider which items they want to be part of and advise Kevin. | Not all members have reported to Kevin. |
| 60.4: Kevin will secure the Kinex Arena for the September board meeting and will follow up to invite a speaker on the Enmax Crossfield Power Plant. | The meeting was held at the G.H. Dawe Centre and will include a presentation by Enmax. |
| 60.5: Kevin will ensure Andrea and Vicky receive a PAMZ board of directors manual. | Done. |

1.4 Memberships

Invoices to all large member companies have been paid. No more small company memberships are expected to come in this year. Kevin presented an overview of PAMZ to the Joffre Community Advisory Panel earlier today and recently took the booth to SPOG Neighbours Day. He will present the results of last year's monitoring at Harmattan to the Shantz New Development Committee on October 21. After the municipal elections on October 18, Kevin will start making rounds to some of the municipalities in PAMZ to make presentations.

2. COMMITTEE REPORTS

a) Technical Working Group (TWG)

Kevin reported that the TWG met September 10 to finalize recommendations for portable monitoring sites for 2011 and to discuss auditing the PAMZ quality assurance plan. A decision on the air quality monitoring program contract was deferred to the next TWG meeting, pending completion of the audits of PAMZ stations by Alberta Environment.

AENV audited PAMZ's four stations on September 13-14 with the best results in the history of the monitoring program: just two failures. PAMZ will contest one of the failures as it appeared to be based on incorrect manufacturers' specifications. The second failure related to a slight error in the orientation of a wind direction sensor. The TEOM analyzer at Red Deer was down at the time of the audit, but is working now so AENV will come back to audit it.

Since the last meeting, data at the Caroline site has reflected historical normals, with the only readings of note relating to exceedances of fine PM on August 19, 20 and 21 in connection with smoke from BC forest fires. Both the daily air quality objective and the hourly guideline for PM_{2.5} were exceeded numerous times in that period. Exceedances were observed at other points in Alberta including Nevis, Trochu and Red Deer in PAMZ; this may have contributed to the loss of the Red Deer station TEOM. All exceedances

were reported to AENV. AENV has relocated the precipitation sampler from Red Deer to the Dickson Dam and will now be looking after its sample collection and analysis.

The Martha station was at Mirror in May as reported at the June PAMZ meeting. The station will return to Mirror in December and include a more comprehensive PAH and VOC sampling program. It was at the James River site in June. Correlation of SO₂ with wind direction was not as marked and SO₂ hourly readings did not exceed 10 ppb. Readings for most pollutants, including SO₂, mirror the wind rose. When winds were low, hydrocarbons did creep up, especially methane. The next time the station is at James River, the ERCB will bring their mobile unit to try and determine the source(s) of elevated methane with calm winds.

The station was at a residence at the Louis Lakes site in July, near the Rocky Mountain House landfill. The landfill is NNW of the residence but winds were predominantly from the WNW. Hydrocarbon levels were slightly elevated but not a cause for alarm. During the last few days at this site, VOCs were sampled but an assessment of the results is not yet back.

The station was at Nevis for August. The SO₂ pollutant rose and the wind rose were almost the same. The Nevis plant is operating as designed and the plume is being dispersed.

The station was at Delburne in September. On September 17, higher readings of SO₂ were observed; they did not exceed the AQO, but were higher than other readings seen recently in the PAMZ program. The ERCB was notified and a field inspector determined that the source was a flarestack at a nearby solution gas flaring facility. At about the time of the PAMZ readings, the facility had a surge of sour gas, causing more gas to go to flare. The ERCB has requested a flaring history from the facility as part of its continuing investigation. Kevin noted that PAMZ does have trigger levels for SO₂, NO₂, and H₂S that set off a chain of events in which PAMZ works with the ERCB, AENV and member companies as appropriate to identify possible sources.

The McCoy station was at Trochu all summer. PM_{2.5} exceedances were recorded in August as noted above. Results to date suggest that this location is a good site to determine if ozone is building up from Red Deer sources but summer conditions were not conducive to ozone formation this year.

The passive sites showed patterns and levels similar to previous years.

b) Ozone Management

PAMZ has signed a contract with AENV for \$44,000 for PAMZ to continue work on three sets of short-term deliverables for the Ozone Management Plan (OMP):

- By October 31, prepare a new education page for the PAMZ website, based on material developed by FAP and new material specific to PAMZ.
- By December 31, collect and update existing information to prepare new communications materials.
- By February 28, 2011, prepare a status report on emissions.

This work is being done by a consultant, overseen by the Communications Committee.

The OMP is being implemented jointly by the TWG and the Communications Committee. A new staff person at AENV will be working with PAMZ on implementation, and the Ozone Management Committee will be re-established.

c) Financial and Funding

Bob Bryant distributed current financial information and reviewed revenues, expenditures and bank balances. Kevin will review the spreadsheets and prepare forecasts so the board can approve the 2011 budget at the next meeting. Funds now allocated to the health study will be revisited as part of the budget process, as will the allocation of funds to the capital reserve to ensure they are sufficient.

d) Communications Committee

The Communications Committee met September 14; the next meeting will be a teleconference on November 17. The Martha Kostuch scholarship of \$2500 was awarded to Alexis Kambeitz from Red Deer, who is studying land and water resources at Olds College. A media release was issued. The Committee is looking at additional avenues for distributing information about the scholarship.

A fall issue of *The Zone* will be published in late October. Website traffic is being tracked and was up during the smoke episodes in August but Kevin did not get any requests for interviews.

PAMZ is running a photo contest until March 31, 2011. The three categories are atmosphere, the environment generally, and photos by youth (up to 18). Prizes will be awarded.

e) Issues Response Group (IRG)

Carol Angstrom from Husky is the new chair of the IRG, which met August 11 at the Johnstons. Recommendations from PAMZ's May public meeting were reviewed, along with records of complaints and other data from ERCB, AENV, and SPOG to determine portable locations for 2011. The six sites proposed for the Martha station for 2011 are:

- Wilson Creek, north of Rocky Mountain House (deferred from previous year)
- Innisfail, downwind from Johns Mannville plant
- Lutz site or one in close proximity, east of Olds
- Calumet area, north of Gadsby Lake
- Highway 2 corridor, possibly Bowden area
- Blindman Industrial Park, east of Hwy 2A heading north from Red Deer

The TWG discussed these sites and supported them. The TWG chooses sites for the McCoy station, which is at the Crossfield-Carstairs site for one quarter each year. The other three proposed sites are:

- Town of Sundre
- Dogpound-Madden in Mountain View county
- Horn Hill, where a new industrial site is proposed, just east of Hwy 2 near Penhold.

The PAMZ Board agreed by consensus to the portable monitoring sites proposed for 2011.

3. REPORT ON CASA ACTIVITIES

Kevin advised that CASA's new executive director is Norm MacLeod, who has been involved in a number of multi-stakeholder processes in BC, particularly related to land use. He hopes to attend airshed meetings over the next year to get a better understanding of their issues. The CASA board meets September 30 in Calgary. The Alberta Airsheds Council is co-hosting the Coordination Workshop with CASA on September 29 in Calgary; the event is fully subscribed. Kevin reported on the following CASA activities:

- The Operations Steering Committee (OSC) continues to consider its role vis-à-vis the Multi-stakeholder Implementation Committee proposed in the new Ambient Monitoring Strategic Plan (AMSP). Funding options to implement the AMSP are still being examined so the OSC is looking at tasks it can undertake until those decisions are made. The OSC oversees the budget for the CASA Data Warehouse (CDW) and approved about \$42,000 to upgrade hardware or software. The question remains whether the CDW will stay as is or whether AENV will take it over since AENV has been funding and running it. A sub-committee will be formed to plan a visioning workshop for the CDW in 2011.
- The PM and Ozone Implementation Committee met at the end of May and heard an update on the proposed national Comprehensive Air Management System (CAMS). The CAMS is based on three pillars, described below. The CAMS will be discussed by CCME this fall.
 - BLIERS (Base Level Industrial Emission Requirements). These are benchmarks for good levels of environmental performance and would apply in areas that are not now exceeding any ambient air quality standards for which current requirements are in place. BLIERS would be set nationally and the provinces and territories would implement them.
 - Canadian Ambient Air Quality Standards (CAAQS). These will include fine PM and ozone and could be more stringent than current Canada Wide Standards, but discussions are continuing.
 - Air zone management, which would see development of an action plan and management strategy for six regional airsheds. Alberta would be part of a prairie airshed that also includes BC and 2/3 of Saskatchewan.

The team is waiting to see the results of other initiatives and processes (Land-use Framework, Cumulative Effects Management, Industrial Heartland, Clean Air Strategy and others) which would affect air quality. In light of these and the CAMS as well as ongoing work to implement Ozone Management Plans, the team will defer a review of the CASA PM and Ozone Management Framework until other activities are further along. The national CAMS process has multi-stakeholder involvement. Kevin advised that anyone wanting more information about who is participating from Alberta could contact Kerri Timoffee with Environment Canada (tel: 819-994-3655).

- The proposed terms of reference for a CASA-Airshed Zones Standing Committee will go to the CASA board next week.

4. ALBERTA AIRSHEDS COUNCIL (AAC) UPDATE

The AAC met September 16-17 in Fort McMurray. Members toured the Suncor mine, processing plant and reclaimed site and a couple of WBEA stations. PAMZ will host the March 2011 meeting and will take AAC members to various plants in PAMZ.

The AAC received approval to use the Alberta Airsheds Council name and acronym. AAC is assembling an information booth that will be taken to the AUMA convention in November and the AAMD&C spring convention. PAMZ has donated its old booth to AAC. The AAC will develop a communications strategy and may hire a consultant to help. A Zones conference will not be held in 2011; this will be revisited for 2012.

5. OTHER BUSINESS

a) Planning Committee Update

Rod advised that the executive committee has drafted a charter, which was presented to the board to illustrate the intent of each section. The board will need to determine the extent of volunteer effort that can be leveraged. The business planning work is an opportunity to review the mandate and structure of existing committees to maximize efficiency. Performance measures will also be developed. The next charter will be done by the IRG; Kevin will work with the IRG chair to develop a draft. Kevin reminded board members that they need to review the project list and advise him of the work they can be part of.

6. DATES, LOCATIONS AND PRESENTATIONS AT NEXT BOARD MEETINGS

The next board meeting is November 24. Meeting dates for 2011 will be set at that time. The board agreed that the GH Dawe board room is convenient and comfortable, but could be a little small if there is a larger group of attendees. Kevin reviewed the rental rates for the various venues PAMZ has used. It was suggested that Kevin look at the Westerner and the Michener Centre as potential venues.

Action 61.1: Kevin will investigate options for future meeting locations and report back to the executive, where a decision will be made for the November meeting.

Topics for presentations include:

- Food safety
- Carbon monoxide poisoning
- A CFO that is viewed as having good practices
- ERCB guide 71 and modeling tool
- Prescribed burning
- Air quality monitoring in the oilsands
- Industrial Heartland
- CAMS
- CEMS

The board agreed that it would like to hear about WBEA's monitoring program in November.

Action 61.2: Kevin will contact WBEA to see if they could provide a speaker for the November 24 PAMZ board meeting, and will advise the executive.

7. OTHER BUSINESS

Other meetings coming up:

- Sept 29 – AAC/CASA Coordination Workshop
- Sept 29 – PTAC annual air issues forum
- Oct 21 – Shantz New Development Committee presentation by Kevin
- Oct 26-27 Synergy conference in Red Deer

- Nov 17 – PAMZ Communications Committee meeting
- Nov 19 – TWG meeting

The meeting adjourned at 6:00 pm.

Daryl Balderson with Enmax gave a presentation on Enmax's Crossfield Energy Centre. This new natural gas-fired facility is designed to meet seasonal and daily peak power requirements. The 120 megawatt simple cycle natural gas-fired facility began operations in December 2009 to help meet southern Alberta's growing demand for power.

Topics that were covered during his presentation include: the roles of facilities like the Crossfield Energy Centre, a history of the project, and an overview of pollution control technologies employed at the plant.