



PARKLAND AIRSHED MANAGEMENT ZONE TECHNICAL WORKING GROUP (TWG)

MEETING MINUTES

Date: Friday, November 13, 2009
Time: 0935-1210
Location: ERCB Red Deer & Midnapore
Chair: Shane Lamden

Red Deer Attendees:	Todd Aasen - AENV Curtis Horvath - NOVA Dale Nylund - Altagas Pam Vust - Red Deer	Doug Cruikshank - Imperial Shane Lamden - NOVA Aaron Rognvaldson - Husky Reg Watson - Public	Marcella deJong - Dow Jennifer Lutz - ERCB Brian Vanderzwan - Imperial Kevin Warren - Amarok
Midnapore Attendees:	Kelly Baragar - Focus Lenin Flores - Focus	Al Duben - ERCB	Harold Gold - Bonavista

Bolded Items are Action Items

1. There was a brief delay as the video conferencing equipment at Red Deer was relocated to the larger board room. The meeting was called to order by the chair Shane Lamden at 0915.
2. Those present introduced themselves. Todd Aasen (AENV) was attending for David Helmer.
3. The agenda was reviewed and accepted with the addition of Environment Canada Request, Honouring David McCoy and an Update on City of Red Deer Anti-Idling Campaign, all under other business.
4. The minutes of the September 11, 2009 meeting were accepted.
5. The status of action items arising from the September 11, 2009 meeting were reviewed.

Kevin will follow-up with AENV and PAMZ Board re: Mansoor Ahmad. **Done** David Helmer will replace Mansoor Ahmad on the TWG. A replacement for Mansoor on the Ozone Management Plan committee still needs to be identified.

Jennifer will look into video conferencing next TWG meeting through ERCB facilities in Red Deer, Edmonton, Calgary and possible the Community Learning Campus site in Sundre. **Done** For this meeting the Red Deer and Midnapore ERCB facilities were used. At this time the Sundre site is not compatible with the ERCB video conferencing system. The Edmonton facility was not used for this meeting as weather was good and Marcella travelled to Red Deer.

Action Item: Marcella will provide information on Microsoft Live Meeting. Jennifer will have the communications committee test out some alternate electronic and web-based meeting tools.

Kevin will ensure 2010 Budget includes funding for Internal Audit of PAMZ Quality Assurance Plan by a third party during first quarter of 2010. **Done** A discussion of the draft budget is on today's Agenda

Kevin will recalculate funding allocations for all facilities assuming no minimum/maximum \$1,000 contribution for small facilities. Spreadsheet will be for discussion purposes only. **Not Done** S2, S8 and S20 data has not yet been received from ERCB.

AI and Kevin will follow-up with Jim Spangelo **Done** Nothing had been received yet. During the meeting AI Duben contacted Jim and had him forward data to Kevin who confirmed that he received it.

Kevin will post an electronic copy of the Audit Report and Closure letter on the PAMZ Website. **Done** Document is located in website library under other.

Shane will check with Raj Navaratnam at Red Deer College about an Air Quality Monitoring Program. **Done** Raj is unable to attend meetings during the school years but would like to be a corresponding member.

Action Item: Shane will send TWG the web link to the Red Deer College weather site.

<http://www.rdscience.ca/weather/weathermain.html>

Kevin will send Harmattan data to Dale Nylund to review and comment on possible sources. **Done** Most readings occur in early morning (same time as z/s). Results discussed in more detail later in meeting. Kevin has asked Focus reset z/s clocks to later in the morning when station returns in December so we don't lose any readings during these early morning hours.

Shane will table the TWG's recommendations to the PAMZ board for approval at their September 24 meeting. **Done** Accepted

Kevin and Shane will add April-September 2010 Raven scheduling to agenda of first TWG Meeting in 2010. **Carry Forward**

Kevin will provide a copy of the Plan to the TWG once it has been approved by CASA Board. **Done**

Shane will provide Kevin with a copy of the data User's Survey being conducted by IPSOS-Read. **Done** Shane forwarded an e-mail with an embedded link to the survey not the survey itself.

Shane will table recommendation that the Raven Station be renamed the David McCoy Air Monitoring Station at the next PAMZ Board meeting. **Done** Accepted A Dedication Ceremony was held at the Beiseker Site on the previous day. Four TWG members attended.

6. PAMZ AQM Program

AGAT Update

PAMZ has totally paid outstanding invoices. The Audit follow-up sub-committee developed a plan to address 2008 Audit Findings based on recommendation from Senes Final Report

received late September. Kevin and Shane met with AENV Oct 29 to present the plan. It mostly consists of a review of data based on audit results and calibrations and adjustment using some invalidation of NO₂ data and flagging of PM_{2.5} data. The plan was tentatively accepted by AENV. The target date for completion of the actions is Dec. 31, 2009.

Action: Reg will forward Kevin contact info on CPR who have expressed an interest in participating in the Clearwater Mutual Aid Co-op (CMAC).

.1 Caroline

All readings at Caroline have been within normal historical levels. The new THC analyzer was installed on October 28. Shell also uses this station as part of its monitoring system for the Caroline gas plant. Shell installed a new data acquisition system in early October to deal with problems due to a lightning strike a year ago

6.2 Red Deer

All readings within normal historical levels and there have been no exceedences since last meeting.

6.3 Martha

The Martha station moved from Harmattan to Oriole Park School in October and is now at Cheddarville; it will go back to Harmattan for December.

Readings at Cheddarville have been within normal historical levels.

Data levels from Oriole Park School are still being reviewed but are much lower than in February-March. Kevin considered looking for another school site due to wind patterns, location of student pick-up and drop-off areas and the implementation of a school bus anti-idling program. There will probably be an open house early in 2010 to present all the results.

At the Harmattan site, September hourly averages for SO₂ correlated well with southwest winds, but readings were well below the air quality objective. Diurnal patterns did not show much variation on an hourly basis. For NO₂, the hourly average is also well below the air quality objective. High hourly averages and hourly maximum levels of NO (which is not regulated) were observed at this site, indicating emissions from high temperature combustion engines. Emissions are likely due to compressors, but more analysis would be needed to confirm that, as there are many potential sources. A pronounced diurnal pattern was observed for NO, with higher levels during night and early evening when winds are light.

The station will be at a site north and west of Delburne in January and at Nevis in February.

6.4 Raven

As reported earlier, on November 25, the McCoy station was formally dedicated and renamed in honour of David McCoy who was one of the original members of PAMZ. This station has been at Beiseker since the beginning of October. Levels observed to date are consistent with those seen in other similar sized towns in PAMZ. The station is scheduled to go to a site in the Bashaw area for the first quarter of 2010.

Action: Jennifer will provide Kevin with contact info for CALUMET Synergy group to assist in search for a site in Bashaw area.

6.5 Passives

Results for the third quarter display seasonal levels and patterns consistent with previous years.

The agenda was adjusted so that discussion of the budget occurred before discussion of the ozone management plan in case the discussion ran over time.

7. 2010 Operating Budget

Kevin had met with PAMZ treasurer earlier in the week and finalized a draft budget. Kevin reviewed the proposed budget, noting that 2010 activities are expected to focus on the basic core monitoring program, as no special projects aside from the ozone management plan are anticipated. Kevin, Focus and Gene Lesoway's costs for 2010 will be held at same rates as 2009. Costs for the program and administration should be the same as or lower than 2009 and capital expenditures will also be lower.

Kevin noted the small amount of funding presently in the capital reserve fund. Three options for contributing to the reserve in 2010 were considered by the TWG: \$0, \$30,000 or \$60,000. No funds were allocated in 2009 and equipment is aging. The TWG agreed that \$60,000 should be allocated to the capital reserve in the 2010 budget and recommended approval of the budget, in the total amount of \$876,121 (attached).

One challenge with the funding formula is that Husky, a major PAMZ funder, saw a big drop in their emissions due to less gas being processed. This will affect other companies, whose emissions also went down, but with Husky's big reduction, their percentage of the total emissions will go up. Kevin reviewed the anticipated expectations for revenue allocation.

There remains a total of \$74,000 in the human health fund which could also be allocated to the capital reserve, since PAMZ does not have sufficient funds to do a health study on its own and has had difficulty finding partners. The TWG was reminded that \$80,000 had been contributed by industry to the human health fund.

Action: At the Nov. 26 Board Meeting Kevin will table the TWG's recommendation that the board accept the proposed budget.

Action: At the Nov. 26 Board Meeting Kevin will table the TWG's recommendation that the board transfer the \$74,000 from the human health fund into the capital reserve fund.

8. Ozone Management Plan

The committee has not been meeting regularly but is now moving into year two of short-term actions as part of the implementation of the Ozone Management Plan (OMP). Some short-term actions are underway and medium-term actions need to be planned. Stantec is doing the data gaps assessment, which will focus on how and where PAMZ monitors ozone and its precursors. Stantec will make some recommendations about where it thinks PAMZ should do

monitoring and possibly recommend some new techniques. Stantec is also doing an analysis of NPRI trends related to ozone. Both reports are expected shortly.

A draft RFP is expected to go out next week for a communications person to develop some tools for gathering information around the OMP. The funds are available but need to be spent by the end of March 2010.

Action: After the meeting Kevin and Shane will meet to develop a list for AENV of the high level deliverables and cost estimates for OMP implementation for the government's 2010-2011 fiscal year.

9. Other Business

East Central Airshed

The East Central Stakeholders Group is looking at a vehicle (banker) for submitting an application for funding for feasibility study to AENV. There is a possibility that CASA may apply on behalf of the group.

Environment Canada Data Request

The request from Environment Canada for direct real time access to PAMZ's data though Focus was discussed at both the Alberta Airsheds Council and AAAQMS Operations Steering Committee Meetings, there was no consensus on allowing them direct access. It was confirmed that the data would not be utilized for a public AQHI calculation.

Action: Kevin will table to Board the TWG's recommendation that he contact Environment Canada and negotiate an agreement providing Environment Canada access to PAMZ data for 2010 provided it is not used for a public AQHI calculation.

TWG Membership

Shane Lamden announced that he has been reassigned at NOVA and that he will be stepping down as TWG chair effective immediately. Curtis Horvath will represent NOVA on the TWG. Aaron Rognvaldson of Husky volunteered to replace Shane as Chair. The group accepted Aaron and thanked Shane for a job well done.

12. Upcoming Events

- Presentation to Town of Bentley 7:30 PM Nov.24 Bentley Town Office
- PAMZ Board Meeting 3-6 PM Nov. 26, Kinex Arena, Red Deer
- CPANS Environmental Nuisances Conference Nov. 30-Dec. 1, Carriage Inn, Calgary
- Bridging Interests, Building Agreement Workshop Dec 2 Edmonton, Matrix Hotel, Edmonton
- AAC-AENV Audit Committee Dec 10 McIntyre Center, Edmonton

11. Next Meeting - **Friday, January 15, 2010**, 0900 - 1200 hrs by Video Conference at the Red Deer, Edmonton and Calgary ERCB offices.

12. The meeting was adjourned at 12:10