



**PAMZ** | Parkland Airshed  
Management Zone

**Minutes:** Technical Working Group Meeting  
**Date:** September 16, 2011  
**Location:** ERCB Red Deer Office Boardroom

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Andrea Brack - Nova	Jeff Cooper - Focus	Harold Gold - Bonavista
Brian Goliss - Shell	John Grant - ERCB	Colin Long - Keyera
Trent Myck - Imperial	Mohasmmad Shoaib - AENV	Al Simcoe - West Fraser
Brian Vanderzwan - ExxonMobil	Kevin Warren - Amarok	Reg Watson - Public

**Bolded Items are Action Items**

1. The meeting was called to order by the Al Simcoe, who was filling in for Aaron Rognvaldson, at 0904.
2. All attendees introduced themselves.
3. The agenda was reviewed and accepted with no additions
4. The minutes of the June 10, 2011 meeting were accepted as circulated.
5. The status of action items arising from the June 10, 2011 meeting was reviewed.

Kevin will follow up with Bob Myrick concerning the possibility of changing PAMZ network over to 60-day sampling if the pilot project is successful. **DONE** With the new 30-Day SO<sub>2</sub> Objective in place, it will not be possible to change to a lower sample changeout frequency.

Kevin will begin investigating funding options for the plan and report back to group in September about results and any developments arising from July 14 CASA team meeting. **IN PROGRESS**

Aaron will present the TOR to PAMZ Board at their June 15, 2011 meeting. **DONE**

Aaron will present the Charter to PAMZ Board at their June 15, 2011 meeting. **DONE**

Kevin will begin updating the QAP based on discussion and report back to group at its September 16, 2011 Meeting. **IN PROGRESS**

6. PAMZ AQM Program

Kevin had prepared a summary of program operations and results from February through early May 2011 that Aaron had distributed to TWG members for their review prior to the

meeting. Discussion at the meeting was limited to questions about the summary (none) and an update on new developments.

Monitoring at the Evergreen site had indicated elevated concentration during periods of low wind speeds.

**Action: The ERCB will conduct a Field Survey (Sep 19) using its FLIR to look for fugitive hydrocarbon emissions at O&G facilities in the vicinity of the Evergreen Site and report back to the group on the results.**

#### 7. Passive Monitoring – Precision and Accuracy Study

Kevin has been contacted by Warren Kindzierski from the U of A who has a graduate student who is undertaking a study to determine the precision and accuracy of the various passive monitoring technologies employed by various Alberta Airsheds. The study is being funded and led by the WCAS and FAP. Precision will be determined by comparing duplicate sample results. Accuracy will be determined by a comparison of co-located passive and continuous monitoring sites. PAMZ has three of these: Caroline, Red Deer Riverside and the Martha Portable. Warren and the grad student would like to include PAMZ's passive data in the study and has asked that PAMZ participate (no further funding needed). The merits of participating in the study were discussed and the group agreed that PAMZ should participate.

**Action: Kevin will contact Warren and notify him of the TWG's decision and make arrangements to deliver PAMZ's passive data needed for the study.**

#### 8. Alberta Environment Audit Results Discussion

The PAMZ Network was audited by Alberta Environment from August 2-5. The results were not as stellar as 2010 audit but comparable with previous years.

- Red Deer – All air quality monitors passed, TEOM SOP needs amending re: more frequent cleaning of sample head
- David McCoy (Horn Hill) – Station's PM<sub>2.5</sub> and TRS monitors failed; Site Documentation was not current; SOP for BAM needs updating (more frequent cleaning); Ambient Temp out > 1 C
  - The PM<sub>2.5</sub> monitor's flow was set using Standard Flow rather than Actual (display error) - BAM Data invalidated July 8- Aug 3,
  - The H<sub>2</sub>S Gas used to calibrate the TRS analyzer was subsequently checked by AENV and found to be out by 22%. Data will be adjusted from July 8-Aug 3
- Caroline – The PM<sub>2.5</sub> monitor's failed its Leak Check, all other monitors okay
  - Data has been invalidated from July 27 – August 4 (Extreme Precip Event results in paper sticking to Nozzle) SOP needs to be amended
- Martha Kostuch (Innisfail) – All air quality monitor's passed; SOP for BAM needs updating (more frequent cleaning), Ambient Temp out > 1 C, Site Doc missing Evergreen
- Received AENV Audit Closure Letter Sep. 8, 2011.

9. Red Deer PM<sub>2.5</sub> Trends

The PM<sub>2.5</sub> Trends at the Red Deer Station since 2009 were raised at the July 14 CASA PM and O3 team meeting but because of lack of quorum and limited time availability was not discussed further. Discussions with Bob Myrick indicated that funding may be available to conduct a study of trends and look at relocation Red Deer Riverside site.

**Action: Kevin will work with Novus Environmental to develop a proposal for a study and submit it to AENV.**

10. 2012 Operations. Maintenance and Reporting Contract

Both the Operations. Maintenance and Reporting Contract currently held by Focus and the Passive Supply and Analysis Contract held by Maxxam expire at the end of 2011.

The performance of PAMZ's contractors was reviewed as well as recent developments at Focus. After extensive discussion it was agreed that Focus's Operating and Maintenance contract would be renewed for 2012. The reporting contract for the balance of 2011 will be transferred to Whiteley Enterprises Inc. Both Focus and Whiteley enterprises will submit proposals to conduct the data processing and reporting for PAMZ in 2012. A decision will be made at the November 18 meeting.

**Action: Kevin will contact Focus and notify them of the decision to renew O&M contract and transfer the balance of the 2011 reporting work to Whiteley Enterprises. He will get updated pricing and capital expenditure recommendations from Focus also.**

**Action: Kevin will contact Whiteley Enterprises Inc. and notify them of the decision re: the reporting contract and obtain pricing for 2012.**

**Action: Kevin will contact Maxxam and Gene Lesoway and obtain price quotes for 2012.**

11. 2012 McCoy Portable Monitoring Sites

The TWG considered the IRG recommendations for the 2012 monitoring schedule. The following locations were proposed by the IRG or the Martha station, in order of priority:

1. North side of highway 587, west of the Red Deer river (drilling and flaring)
2. Red Deer Edgar Industrial Park (new site on east side)
3. Bluffton area (oil and gas)
4. Delburne (follow up to monitoring done two years ago)
5. Mirror (strategic monitoring related to train yards)
6. Secondary highway (cargo emissions)

After extensive discussion the following locations were agreed upon for the McCoy station:  
Jan-Mar Red Deer Riverside Industrial Park (possibly > 1 location)  
Apr-Jun Crossfield-Carstairs  
July-Sep Candidate New Red Deer Site  
Oct-Dec Lacombe

**Action: Kevin will build an operating budget and draft monitoring schedule for discussion at the November 18 TWG meeting.**

12. Alberta Environmental Monitoring Panel Report

Kevin reviewed the report and its conclusions. The report can be accessed at:  
**<http://environment.gov.ab.ca/info/library/8381.pdf>**

13. Review of Funding Options for Airshed Zones and Watershed Planning and Advisory Councils Report

In view of time constraints it was agreed that Kevin would provide a link to the report. Members were encouraged to attend next Wednesday's Board meeting to hear a summary of the report presented by Cory Doll from AENV.

**[http://www.lica.ca/attachments/078\\_WPAC\\_AZ\\_Value\\_and\\_Funding\\_Report.pdf](http://www.lica.ca/attachments/078_WPAC_AZ_Value_and_Funding_Report.pdf)**

14. Upcoming Events

- Funding Options for Airshed Zones and Presentation Sep. 21, 2011 Lake Enviro-Expo later this Afternoon
- RDRWA Ambassador Breakfast - monthly
- SPOG Highway Cleanup

15. Next Meeting – November 18, 2011, 0900 - 1200 hrs ERCB Boardroom,

**Action: Kevin will contact make arrangements for videoconferencing at St Alberta and Calgary ERCB offices in addition to Red Deer**

ADJOURNMENT

The meeting was adjourned at 12:05