



PAMZ | **Parkland Airshed
Management Zone**

Minutes: Technical Working Group Meeting
Date: January 14, 2011
Location: ERCB Red Deer, Midnapore & Edmonton Offices

Red Deer Attendees:	Andrea Brack - NRCB Brian Goliss - Shell Canada Dale Nylund - Altagas Mohammad Shoab - AENV Reg Watson - Public	Heather Callicot - NOVA Jennifer Lutz - ERCB Aaron Rognvaldson - Husky Al Simcoe - West Fraser	Dan Dore - Suncor Trent Myck - Imperial Oil Jim Saltvold - Public Kevin Warren - Amarok
Midnapore Attendees:	Al Duben - ERCB	Harold Gold - Bonavista	Lee Loran - Focus
St. Albert Attendees:	Marcella deJong – Dow	Monique Lapalme - EnvCan	

Bolded Items are Action Items

1. The meeting was called to order by Group chair, Aaron Rognvaldson at 0905.
2. The attendees in the Red Deer, Midnapore and Edmonton introduced themselves.
3. The agenda was reviewed and accepted with the addition of the following items after 6. Program Results Discussion:
 - Funding Opportunities – Short-Term Special Projects
4. The minutes of the November 19, 2010 meeting were accepted.
5. The status of action items arising from the November 19, 2010 meeting was reviewed.

Al Duben will arrange for a survey of local O & G Production Facilities in the vicinity of the James River site using ERCB's FLIR camera and mobile monitoring unit when the station returns to the site in November. **Done** The survey was conducted on December 2,3, 8 and 9, 2010. Twenty-eight (28) facilities were surveyed and there were no significant readings over and above background ambient levels; no visible hydrocarbon leaks were noted with FLIR scan, and no odours were detected with one exception near Plains Tank Farm.

Action: Al will have John Grant send Kevin a copy of the report.

Kevin will contact Rienzie Balkaran and arrange for the quality assurance plan audit. **Done** The QAP Audit will be conducted in February.

Kevin will provide Harold Gould with Calvin Consulting`s contact info. **Done**

Aaron will communicate the TWG's decision to extend Focus's contract to the PAMZ board at its Nov. 24 meeting. **Done**

Mohammad will make arrangements for a meeting of the Ozone Management Plan Committee at AENV Red Deer Office on the afternoon of the next TWG meeting. **Done** Meeting is this afternoon at 1:30.

Kevin and Aaron will table the proposed budget and associated TWG recommendations at the November 24 Board of Directors Meeting for their approval. **Done** Board accepted program budget recommended by TWG

Kevin will distribute the media release concerning CAMS and a document outlining the framework to TWG members. **Done**

6. PAMZ AQM Program

Kevin and Aaron explained that PAMZ Organizational Review Committee had concluded that there was no additional capacity available for organization to tackle the objectives detailed in the five-year plan. All work must be done by existing committees and hence their meetings need to become more action oriented.

The TWG will need to revisit their Terms Of Reference to reflect this change and begin work on a charter for Objective 1.1 Assessing the Human Health Impact of Air Quality – Focusing on AQHI and CWS parameters. These two items are on the agenda for today's meeting. Videoconferencing may limit the efficiency of working on tasks and its use should be reviewed.

A summary of recent monitoring program results was distributed prior to the meeting for review by TWG members and discussion at meeting limited to questions about results.

The ERCB asked how the revised SO₂ and proposed NO₂ Ambient Objective would impact the PAMZ air monitoring program. Kevin indicated that the intermediate NO₂ alarm levels would have to be reset though he did not feel the lower limit would result in exceedences given history of program results. The addition of a 30-day SO₂ objective may prevent PAMZ from switching over to a 60-day sampling period, even if the 60-day exposure pilot is successful.

The 60-day exposure passive sampling pilot project is being run at the Caroline and Red Deer sites, started at the beginning of January and is scheduled to run through to end of June.

Action: 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.

There was one update on the program since the summary had been distributed. Kevin reported that not all the samples collected at the Mirror Site in December and early January would be analyzed. There had been too much of a delay in sending the background samples to the lab and they were not analyzed. AENV indicated they would return to the

site and collect background samples during a period with easterly winds. It was not until the last week of sampling until there were prolonged periods of westerly winds and so three sets of VOC and PAH samples were collected during last week. **Note: It was subsequently learned that lab had analyzed background samples and AENV would not be returning to the site to collect more background samples.**

The PAH and VOC samples collected at the Louis lake site in August were analyzed by the results have still not been assessed by AENV.

Action: Kevin will talk to a few consultants about an assessment and cost and make a decision as to whether or not to engage their services to assess the sampling results.

7. Special Project Funding

Kevin received a letter from AENV indicating that funding was available for three types of activities for the 2011-12 year:

1. Core Operations Grant - This grant is intended for airsheds who genuinely have the need to off-set anticipated financial shortfalls in core operating expenses.
2. Short-term Special Projects - This includes technical, planning and communication projects not eligible for existing monitoring and management programs. It is NOT intended as a request for airsheds to come up with new projects but rather as an opportunity to off-set financial shortfalls for existing projects.
3. PM/Ozone Management Plan Implementation - This includes projects required to implement the airshed PM and/or Ozone Management Plans.

The deadline for applications is February 18, 2011. Kevin intended to apply for funding for the Ozone Management Plan's medium-term objectives. The deliverables would be discussed and agreed upon in the afternoon's OMP Committee meeting.

He also planned to apply for plans to produce 2010 Annual Community and Technical Reports similar to those done for 2009. The 2011 budget included the reports' production (\$17.5K) and so this should qualify it as an existing short-term special project.

The letter indicated that funding for special projects is intended to offset financial shortfalls faced for existing projects. Based on other Airsheds' success for obtaining funding for new projects in past Kevin feels there may be an opportunity for PAMZ to also fund new projects. Two ideas for special projects were discussed:

- An assessment of the Crossfield-Carstairs site's historical dataset with recommendations around future monitoring at the site.
- An assessment of the air quality at the Caroline site while the plant has been shut down compared against the time when it was running.

Action: Kevin will prepare funding applications for the OMP Implementation and 2010 Annual Report. He will make a decision on applying for the Crossfield-Carstairs and Caroline data assessments after reviewing funding application guidelines in detail.

8. Terms of Reference (TOR) Review

The TWG's existing TOR are found in the Air Quality Monitoring Program's Design Document and also in the Business Plan. They were developed before the program is up and running. They need to be revised to reflect that the program is operational, spell out the group's role in relation to overseeing the program, and providing a structure/process for undertaking tasks assigned to it in the five year plan.

Action: Kevin will draft a straw dog TOR leaving the purpose, goals and objectives vacant. He will complete the remainder of the document based on work previously done for the ozone management plan committee's TOR.

Action: Team members will review the straw dog and add their ideas for the purpose, goals and objective sections prior to March 4, 2011 and e-mail to Kevin or Aaron.

Action: Kevin will compile team members' input into a complete straw dog TOR for discussion at the next TWG meeting

9. Air Quality Health Index (AQHI) Presentation

Bob Myrick and Crystal Parrell of Alberta Environment joined the meeting by phone and led the group through a PowerPoint Presentation on the new AQHI that is being adopted by Alberta Environment.

The AQHI was developed by Environment Canada and Health Canada and is currently being used throughout the rest of Canada. There will be a few slight differences in how the AQHI is reported in Alberta vs. rest of Canada.

- H2S/TRS will also be monitored
- There will be messaging for odour (H2S, SO2) and visibility (PM2.5)
- The AQHI value will change when an Alberta objective (AQO) is reached

The thinking is that using the best of both the AQHI (additive health index) and AQI (single pollutant driven) will act to catch episodes that would be missed and may pick up an episode an hour or two earlier.

Alberta Environment will replace the AQI in June 2011. It will be reporting the AQHI at all Alberta stations that currently report the AQI on its real-time air quality website. Stations will be phased in over summer.

Environment Canada will begin forecasting the AQHI at 5 locations (Edm, Calg, Red Deer, Ft Mac and Ft McKay) in June 2011 with other stations phased in beginning in Fall 2011. They have been running this as a pilot for approximately a year and a half and are quite confident with results to date.

A copy of the presentation was previously distributed to all TWG members prior to the

meeting.

10. Charter for Assessing the Human Health Impact of Air Quality

At its December meeting the executive decided that the TWG should begin work on Objective 1.1 from the Five-Year Plan, Assessing the Human Health Impact of Air Quality – Focusing on AQHI and CWS parameters. Prior to the last board meeting a small group of TWG members (Kevin, Reg, Al, Brian and Aaron) got together and developed a draft Charter outlining how the TWG will work on completing the objective.

Due to time constraints it was not possible to review the draft at the meeting.

Action: Aaron will distribute the Draft charter to TWG members who will provide their comments prior to March 4 and e-mail to Kevin or Aaron.

Action: Kevin will incorporate all comments into a revised document for discussion at the next TWG meeting.

10. Other Business

There was no other business to discuss

11. Upcoming Events

OMP Committee Meeting – January 14, 1:30 PM, Sylvan Lake Room, AENV Red Deer

PAMZ Board Meeting – January 19, 3-6 PM, Boardroom, GH Dawe Centre, Red Deer

ENGO Presentation – January 19, 6:30-7:30 PM, Boardroom, GH Dawe Centre, Red Deer

CPANS Luncheon – Monitoring Sulphur Gases associated with In-Situ Recovery Bitumen
January 19, 11:30-13:00, Ramada Hotel, Calgary

Pathways to Sustainability Conference – January 23-25, Red Deer College, Red Deer

Action: Kevin will send members the link to Conference Website

ESAA Conference & Air Quality Management Course - Feb 16-17 Marriott River Cree
Resort - Edmonton.

Red Deer River Watershed Alliance Community Workshops on Water Issues - Jan. 25 in
Sundre, Jan. 26 in Red Deer, and Jan. 27 in Oyen.

PAMZ Ozone Reduction Workshop – March 9, 9-3:30, Holiday Inn, Red Deer

Note: Subsequently changed to March 24.

12. Next Meeting – March 25, 2011, 0900 - 1200 hrs by Video Conference at the Red Deer,
Calgary and Edmonton offices.

ADJOURNMENT

The meeting was adjourned at 11:50