



**PAMZ**

Parkland Airshed  
Management Zone

**Minutes: Technical Working Group Meeting**  
**Date: June 11, 2010**  
**Location: ERCB Red Deer & Midnapore Offices**

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Red Deer Attendees:	Todd Aasen - AENV Marcella deJong - Dow Al Simcoe - West Fraser	Heather Callicot - NOVA Curtis Horvath - NOVA Reg Watson - Public	Lloyd Cumming - Public Dale Nylund - Altagas Kevin Warren - Amarok
Midnapore Attendees:	Kelly Baragar - Focus Harold Gold - Bonavista	Al Duben - ERCB Colin Long - Keyera	Lenin Flores - Focus

**Bolded Items are Action Items**

1. The meeting was called to order by Dale Nylund at 0905 who, with the absence of Aaron Rognvaldson, chaired the meeting. The attendees in both Red Deer and Midnapore introduced themselves.
2. The agenda was reviewed and accepted as circulated.
3. The minutes of the March 26, 2010 meeting were accepted.
4. The status of action items arising from the March 26, 2010 and previous meeting was reviewed.

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

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. **Drop** No longer applicable. Telus Geomatics contract expired and data is now going directly to AENV who have developed their own website.

It was agreed that pending anything to the contrary in the AHS report on this investigation, PAMZ would not monitor again at the Jackson Creek site in six months. Kevin/Brian will communicate the decision to monitor again at the board at their next meeting. **Done**

After some discussion it was agreed that 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. Kevin will contact Al Duben to firm up the arrangements. **Carry Forward** Al Duben to follow-up

The TWG decided to monitor in the Trochu area northwest of Highway 21/27 intersection. If other issues are identified by the monitoring PAMZ will be in a better position to respond as this site would lie within its boundaries. Kevin/Brian will communicate the TWG's decision to the board of directors at their next meeting. **Done** A new site northwest of Trochu has been established, discussed later in meeting.

Aaron Rognvaldson, David Helmer and Reg Watson agreed to participate on the annual report sub-group. Kevin will arrange for teleconferences for committee to discuss annual report. **Not done drop**. Some comments were received via e-mail and incorporated.

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. Kevin will communicate this decision back to the Red Deer River Watershed Alliance and PAMZ Board of Directors. **Done**. Kevin attended the technical committee's inaugural meeting on May 12.

There was a request from Alex de Visscher at U of C who is looking for additional areas to add to his modelling project. It was agreed that 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. Action: Kevin will work with Aaron to draft and send letter to Alex. **Done**. Kevin generated letter and sent to Alex.

## 5. PAMZ AQM Program

### 5.1 Caroline

All levels since March the TWG meeting within normal historical ranges. Installed the new calibrator and zero air generator in May. Zeroes and spans for NO<sub>x</sub>, O<sub>3</sub> and THC now coming from calibrator. Zero combustion air for THC now coming from Zero Air Generator. A high PM<sub>2.5</sub> reading on April 24 at 2300 (198.6 ug.m3) was initially reported to AENV and assigned Guideline exceedence Ref # 235220. The exceedence was later discounted because of heavy snowstorm at the time. A new TRS analyzer was installed at the Caroline station and the old one will be used to replace the existing unit at the Martha Station.

### 5.2 Red Deer

All levels since the March TWG meeting within normal historical ranges. Some low level H<sub>2</sub>S readings observed in last month are typical of effect of warming temperatures'.

### 5.3 Martha

The new zero air generator has been installed in the station.

#### Nevis

Wind patterns observed at this site in March and early April were not typical for the region, i.e. they were largely from southwest. Levels of SO<sub>2</sub> observed were fairly low.

### Edgar Industrial Park South

Monitoring in April and early May resulted in no exceedences of AAAQO or AAAQG. Winds exhibited a strong north-south flow, similar to Riverside. There was good correlation with higher NO<sub>2</sub> levels and west winds from Highway 2.

### Mirror

Kevin attended a meeting on April 6 organized by MP to hear residents concerns about noise and emissions from idling locomotives. An emergency decision was made by the PAMZ Executive after requests were received from Lacombe County, MLA Ray Prins and MP Blaine Caulkins. The plan is to monitor again in December if emissions from locomotive idling are still an issue. Levels observed in May and early June were relatively low probably because of a combination of warmer weather, lots of easterly winds and modified idling practices. One PM<sub>2.5</sub> AAAQG exceedence was observed at 1000 May 27, 96.8 ug/m<sup>3</sup>, winds 124 degrees (SE) at 10 km/hr. The resident said they had observed a strong sulphur smell. There were SO<sub>2</sub> readings peaking at 13 ppb. Kevin arranged for AENV to take PAH and VOC samples. Two of each were taken, the first set May 28 with winds from southeast, the second set on June 4 with west winds and locomotives idling upwind of site resident after they smelled strong odours.

### James River – Kyler (14-11-34-5 W5)

The station was installed on Tuesday and calibrated Wednesday & Thursday. PAMZ monitored at this site previously in Jan & Jul 2005 when landowner was Tom King. Bonavista has a battery to southeast at 9-11. Monitoring previously showed strong correlations with SO<sub>2</sub> and southeasterly winds but hourly averages under 10 ppb, max instantaneous 71 ppb.

### RMH Solid Waste Landfill

The plan is to monitor for the month of July only. Kevin will be touring area with landfill staff next Thursday to ground-truth possible monitoring sites.

## 5.4 McCoy

### Gadsby Lake

Lots of low level SO<sub>2</sub> observed but with no predominant direction. Kevin presented results to Calumet Group on May 6.

### Trochu (5-19-33-23 W4M)

The McCoy station was installed on April 14 and calibrated April 15. The station was out of service for 10 days prior getting an overhaul. Some initial delays in getting the THC (tubing off-gassing) and TRS (noisy lamp and chattering valves) analyzers running. Lost 5 days approx. Because of shortened monitoring period we were well below 90% (68 and 65 respectively). To date, there's no evidence of Ozone levels being higher than other monitoring sites and relatively low for this time of year (40-50) ppb but weather has been cool and rainy. There is a strong correlation of NO<sub>2</sub> and THC readings with winds from direction of highways 27 (to south) and 587 (to north).

## 5.5 Passives

Spatial patterns and magnitudes observed in March and April consistent with historical records.

## BREAK

### 6. Ozone Management Plan

Kevin submitted proposal to AENV for funding to continue the work on the short-term objectives that began in late 2009 and earlier this year. The proposal focusses on three sets of deliverables:

- Preparation of new education page for PAMZ website using material created for existing FAP website and new material specific for PAMZ by a 3rd party working with PAMZ Communications Committee;
- Collection of existing and preparation of new information materials (brochures, pamphlets, etc.) and website content by a 3rd party working with PAMZ Communications Committee;
- Compilation and reporting on various emissions and by 3rd parties working with PAMZ Communications Committee and Ozone Management Plan Committee.

### 7. Five-Year Plan Objectives

The PAMZ executive has consolidated and organized the business planning materials with the intent of taking advantage of existing committees as much as possible. Kevin presented a new table noting clearer timelines, deliverables and resources needed. He elaborated on the approach, noting that the intent is to prepare a charter for each item that will define the scope, deliverables, milestones, impact of the work, expected costs, team members and leader, etc. to give a solid structure to the activity and ensure clarity for stakeholders. The charter would be prepared by the team assigned to the item. Kevin reviewed the various goals and objectives assigned to the Technical Working Group. (see attachment)

### 8. 2011 Funding Allocations

Kevin presented a **draft** funding allocation for 2011 using 2009 plant emissions based on a budget similar to 2010's but with various options on capital expenditures and applying funds that may be available from human health program fund. (see attachment)

### 9. Other Business

NOVA Chemicals has received their Operating Approval renewal. It contains some clauses that reflect participation in PAMZ. Tod Aasen of AENV indicated that AENV has developed a set of clauses for approvals that require participation in Airshed zones.

**Action: Heather will provide Kevin with a copy of the applicable clauses.**

### 10. Upcoming Events

- PAMZ Board Meeting 3-6 PM June 16, Kinex Arena, Red Deer
- ACE 2010 Calgary Air & Waste Management Assoc. (AWMA) Annual Conference & Exhibition June 22-25, 2010 Telus Convention Centre, Calgary, AB

### 11. Next Meeting – **September 10, 2010**, 0900 - 1200 hrs by Video Conference at the Red Deer, Edmonton and Calgary ERCB offices. Note this was changed from Sept. 17 to accommodate Kevin who will be in Fort McMurray on that date.

The meeting was adjourned at 11:45