



## **PAMZ** | Parkland Airshed Management Zone

**Minutes:** Technical Working Group Meeting  
**Date:** April 11, 2014  
**Location:** AER Boardroom, # 202, 4909 - 49th Street, Red Deer  
AER Videoconference Room. 300, 31 Sunpark Plaza SE, Calgary

---

### Participants:

Noor Alif - ESRD	Jeff Cooper - Focus	Al Duben -AER
Lenin Flores - Focus	Brian Goliss - Shell	Shane Lamden - NOVA Chemicals
Shelley Morris -ESRD	Tali Neta - NRCB	Steve Quine - ME Global
Aaron Rognvaldson - Husky	Jim Saltvold - Public	Reg Watson – Public
Kevin Warren - Amarok		

### **Bolded Items are Action Items**

1. The meeting was called to order by the chair, Aaron Rognvaldson, at 0835 hrs
2. All attendees introduced themselves.
3. The agenda was reviewed and accepted with the addition of elect new chair under other business.
4. The minutes of the January 17, 2014 meeting were accepted.
5. The status of action items arising from the January 17, 2014 meeting was reviewed.

Kevin will meet with Red Deer Environmental services to discuss their provision of the Lancaster monitoring site as a permanent site. **CARRY FORWARD** Nancy Hackett, City of Red Deer Environmental Services is polling staff for a meeting date

Kevin will submit an application for funding the monitoring at the Lancaster site from July 2014 through March 2015 prior to the February 7, 2014 Application Deadline. **DONE** \$65.9K also \$37K for Updating PAMZ AQM Plan. Status on both applications is unknown. Angela Fulton said the Lancaster application shouldn't be a problem but asked if PAMZ or others could cover 1/2 cost of Plan Update. In view of potential underfunding PAMZ Executive decided no. Both ACA and FAP received funding for the development (ACA) and updating (FAP) of their plans.

PAMZ will revisit the Maxxam contract in June and make a decision on re-tendering the work in the fall. **CARRY FORWARD**

Kevin will begin investigating the removal of the two passive sites in Banff National Park from the network. **CARRY FORWARD** Update will be added to agenda of June meeting

Kevin will contact Al and John Grant and ask them to reserve the Midnapore meeting room.  
**DONE**

## 6. PAMZ AQM Program

- Imperial Oil's Rocky Mountain House Area properties including Wilson Creek & Everdell were acquired by Whitecap Resources effective May 1<sup>st</sup>.
- Contract with ESRD re: Red Deer Operations and Maintenance expired March 31
  - Currently operating on good faith.
  - Proof of insurance provided by PAMZ and Focus this week
  - Have concerns about some of clauses in contract especially re: HVAC systems as 2013 repairs cost PAMZ \$910.35
- Website hosting services provided to PAMZ by Reaction Marketing who use a US-Based Server that was victim of Malware attack and was fully down 4 days, partially down 3 days. Reaction is currently re-evaluating website hosting business and may raise rates or get out of business
- The Raven-X Modems utilized by PAMZ in its Portables utilize the Telus EVDO data service and ran on the Telus CDMA Network
  - As of March 31st the EVDO Network was discontinued and all devices were moved to a temporary 1 X RTT CDMA Network as to allow Telus clients enough time to upgrade their equipment to 4G-Compatible equipment.
  - The temporary 1 X RTT CDMA will be turned off in early 2015 permanently thus we need to upgrade our RAVEN-X cell modems in the EVDO Network to 4-G compatible devices.
  - Note to date, no issues with data transmission from the AQM stations
  - Getting quotes from vendors on new 3G modems

### Caroline

- No exceedences of any objectives or guidelines since January 17 TWG Meeting
- No recent PM<sub>2.5</sub> high-scaling episodes at Caroline
- No recent elevated THC episodes
- Performance of Wind Speed Sensor under icing conditions has been worsening, was below 90% for March
- Replacing with new Met One 010/020 units equipped with ice skirts consistent with Portable Units - \$1250 US

### Red Deer Riverside

- No exceedences of any objectives or guidelines, including PM<sub>2.5</sub>, since Nov 22 TWG Meeting
- Continuing to see significant difference between SHARP & TEOM

### James River East

- Resident in James River has issues with hydrocarbon odors they believe is associated with tanker trucks loading at Bonavista facility
- Not practical to monitor at residence as it is heavily treed
- Monitored at a location in a draw between facility and residence

## Crossfield-Carstairs

- TRS exceedences Aug 4-5
- IRG decide to conduct follow-up monitoring at a new site on west side of Highway 2 in 2014
- Unable to secure site on west side of highway so went back to Crossfield-Carstairs Site
- All levels within historical normals with H<sub>2</sub>S at or near LDL

## Ponoka

- Last monitored at Ponoka Central Pump Station in January-March 2005
- Pumping station now decommissioned so some extra work involved in getting power in
- So far levels are similar to those in other medium-sized towns where PAMZ has conducted monitoring

## Olds

- Last monitored in Olds at Olds College Site in April-June 2008
- Site no longer suitable as new hotel located immediately north
- Monitoring will be conducted at town's south pumping station
- McCoy Trailer currently at ITB Factory for installation of collapsible roof railing system and roof penetration and flange installation for future installation of Sharp PM<sub>2.5</sub> Monitor

## Passives

The results of the passive monitoring network for December, January and February indicate levels and spatial distribution consistent with historical normals.

## 7. Ozone and PM<sub>2.5</sub> Management Plans

For the time being, the PAMZ Ozone Management Plan Committee will be the conduit for PAMZ's involvement in the development of a PM<sub>2.5</sub> mandatory plan by ESRD. This team currently has standing agenda item at PAMZ TWG meetings.

Kevin provided an update on the Ozone Management Plan. The plan was approved by ESRD in December 2008 and is currently into its sixth year of implementation and the start of the long term actions. A number of the medium-term actions assigned to ESRD remain uncompleted due to their recent reorganization and capacity challenges.

The Red Deer area has been assigned to the mandatory plan level to reduce levels below the Canada Wide Standard (30 µg/m<sup>3</sup>) based on high PM<sub>2.5</sub> events observed at the Red Deer Riverside Station in 2010 and 2011. The framework determines which stations and data can be used/not used according to the criteria laid out.

An ESRD science team who have been brought together to scope out their work and will potentially put their work into a science report once their work is done. Such a report would summarize the current understanding of PM<sub>2.5</sub> levels in the Red Deer area and other regions in the province that have been assigned to various management plan levels. The team is currently conducting analysis to understand 2008-13 high PM<sub>2.5</sub> events, working to build relationships with stakeholders and does not have a well-defined time line. They hope to have the analysis results completed by the end of the summer and have a meeting to update stakeholders following that.

8. Other Business

New Chair

Jim Saltvold was elected chair by the group for a two year term commencing June 2014.

10. Upcoming Events

- PAMZ Board Meeting, Red Deer, April 16, 2014
- CASA 20<sup>th</sup> Anniversary June 6, Calgary Telus Spark Centre
- The Airshed Council is planning a two-day Airshed issues Forum the 3<sup>rd</sup> week of October

11. Next Meeting

The next meeting of the TWG will be June 13 8:30-12 at the Red Deer office with no videoconferencing.

12. Adjournment

The meeting was adjourned at 1155 hrs.