



**PARKLAND AIRSHED MANAGEMENT ZONE (PAMZ)  
PUBLIC MEETING ON ISSUES IDENTIFICATION  
& LOCATIONS FOR AIR QUALITY MONITORING  
Lacombe Memorial Centre - May 19, 2011**

The purpose of the meeting was to solicit input from the public and other sectors to the PAMZ Issues Response Group (IRG):

- To identify air quality-related issues that PAMZ should be addressing
- To make recommendations on locations for the Martha Kostuch Portable Air Quality Monitoring (AQM) Station's use from January through December 2012

Twenty-two people participated in the meeting with representation from all three of PAMZ's three stakeholder groups; industry, government, and public/NGO (non-government organizations). A list of the meeting's participants is included.

The meeting began with a welcome, an explanation of the meeting's purpose and an overview of the agenda by the meeting's facilitator Phil Boehme. Andy Lamb, a PAMZ vice-chair, then presented a brief overview of PAMZ and airsheds. The PAMZ Executive Director, Kevin Warren, then gave a presentation that covered the PAMZ AQM Program, the Issues Identification and Response Process and finally a review of the guidelines for the use of the Martha Kostuch Portable AQM Station.

It was explained by Kevin that the most likely scenario is that monitoring with the Martha Kostuch Station in 2012 will occur at six different locations with two one-month periods for each location spaced approximately six months apart, to collect data under different seasonal conditions or, if applicable, after follow-up actions taken to address the issue following the first month of monitoring.

A round table brainstorming discussion was held to table the air quality-related issues of most concern to the participants and to identify possible locations for the Martha Kostuch Portable AQM Station that would provide air quality data to better understand the issues. The issues and monitoring locations were captured on separate flip charts. Issues raised by participants that were not air quality-related were also captured on a flip chart for follow-up by the IRG and/or others. The issues identified in this discussion are summarized below:

**Transportation**

- Highway 2 Transportation Corridor (Vehicle Emissions)
- Major Secondary Highways e.g. Highway 20 (Cargo Emissions)
- Particulate Matter from Gravel Roads
- Air Emissions from spills at or near railroads
- Sulphur dust from rail transport

**Oil and Gas**

- Emissions from flares and incinerators
- Fugitive Hydrocarbon Emissions

**Agriculture/Forestry**

- Siting stations to monitor emissions from Forest Fires

## **Human, Animal & Ecosystem Health**

- Human Health & Exposure Monitoring Program (Northeast Zone focusing on Sulphur Dioxide)

## **Other**

- Fine Particulate Matter trends
- Timeliness of QA/QC'd Data Availability
- CASA Review Fine PM and Ozone Management Framework Trigger Levels
- Indoor Air Quality

All the air quality issues identified above will be tabled at the August Meeting of the PAMZ IRG for further discussion and follow-up by PAMZ or others.

## **Other Non-Air Quality Issues**

- First Nation Participation and Consultation
- PAMZ boundaries do not include Samson First Nation
- Source operators that may change/modify operating practices during ambient monitoring
- Absence of funding from some sectors and small Oil & Gas operations that contribute significant emissions as a whole
- Public Education and Outreach
- More Enforcement from Regulatory Agencies
- Chemical Spills from rail cars
- ERCB definition of Sour Gas

As mentioned above, a number of monitoring locations that had been identified in the round table brainstorming session were listed on a flip chart. Each participant was then given four colored dots and asked to apply them to the sites where they wanted monitoring with no restriction on how they used the dots. The weighting results were then tabulated. The sites selected along with the associated air quality issue, in order of declining weighting, were:

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|----|--|
| 14 | Bluffton Area (Oil & Gas Emissions)  |
| 14 | Eckville Area (Odours)   |
| 9  | Highway 2 & Secondary Highways (Transportation Emissions)                      |
| 9  | Ungstad Residence NW of Ponoka (Dust from Gravel Roads – Quantity/Qualitative) |
| 6  | Mirror (Strategic* Monitoring of Locomotive Emissions)                         |
| 4  | Delburne Site (Oil & Gas Emissions – follow-up from 2009 Monitoring)           |

\* Strategic in terms of a monitoring approach that would not attract attention resulting in changes to locomotive operating practices during monitoring

Using the recommendations from the meeting and a review of the 2010-11 Alberta Environment, Alberta Energy Utilities Board, Energy Resources Conservation Board, Natural Resources Conservation Board, and Sunde Petroleum Operators Group and others' Complaint Records, the IRG will finalize its siting recommendations for the six Sites at its August meeting and table them at the September PAMZ Board Meeting. Once the Board has approved the sites, the TWG will then finalize the schedule for Board approval at the November Board Meeting.

The meeting concluded with the Executive Director, Kevin Warren, thanking all who attended for their participation and specifically the facilitator, Phil Boehme of Alberta Environment who did a wonderful job as the meeting's facilitator.

## REGISTERED ATTENDEE LIST

Kelly Bauer	Alberta Health Services
Phil Boehme	Alberta Environment
Ken Dahl	Alberta Environment
Judith George	Public
Margo Jacobs	Energy Resources Conservation Board
L Joy	Lacombe Globe
Lexi Kambeitz	Public
Mr. Krato	Public
Mrs. Krato	Public
Andy Lamb	Alberta Environment
Shane Lamden	NOVA Chemicals
Paula Law	Lacombe County
Jennifer Lutz	Energy Resources Conservation Board
David Morris	Quicksilver Resources Canada Inc.
Ernie Murias	Town of Rocky Mountain House
Dan Richen	Alberta Health Services
Aaron Rognvaldson	Husky
Norine Saddleback	Samson First Nation
Leonard Standing On The Road	Montana First Nation
Wayne Ungstad	Ponoka Fish & Game Association
Larry Walton	Calumet Synergy Assoc
Kevin Warren	Amarok Consulting