



PAMZ | Parkland Airshed Management Zone

Minutes: Technical Working Group Meeting
Date: November 16, 2012
Location: ERCB Boardroom, # 202, 4909 - 49th Street, Red Deer
Midnapore Video Conference Facility, #300 31 Sunpark Plaza SE, Calgary

Participants:

Noor Alif - AESRD	Brian Goliss - Shell	Shane Lamden - NOVA Chemicals
Colin Long - Keyera	Lee Loran - Focus	Dale Nylund - Altagas/Taylor
Aaron Rognvaldson - Husky	Jim Saltvold - Public	Pervez Sunderani - AESRD
Dean Thompson - ERCB	Kevin Warren - Amarok	Reg Watson - Public

Guests

Bob Myrick, AESRD Andrew Clayton, AESRD

Bolded Items are Action Items

1. The meeting was called to order by Aaron Rognvaldson, at 0910
2. All attendees introduced themselves. The contributions of past member Harold Goulding were discussed and recognized.

Kevin Warren will send Harold a card thanking him for his contributions to the PAMZ TWG.

3. The agenda was reviewed and accepted with the addition of 2013 meeting dates under other Business.
4. The minutes of the September 6 meeting were accepted.
5. The status of action items arising from the June 15, 2012 meeting was reviewed.

Kevin will follow-up with Harry, before Harry leaves AESRD, concerning N2 carrier gas conversion and replacement wind system. **Carry Forward** Kevin will follow up with AESRD staff,

Kevin will distribute Passives Precision and Accuracy study and report to TWG when available. **CARRY FORWARD** Report completed but not published yet.

Kevin will use report in designing scope of work for Passive rationalization study. Draft for September meeting. **CARRY FORWARD** See above

Kevin will ask Brian to follow up with Environmental Diagnostics on the status of the colocation study proposal. **Done** Environmental Diagnostics currently does not have the inventory to undertake a co-location study.

Kevin and Aaron will meet with Chuan Kua, Jeff Cooper's boss. Following the meeting, Focus will be given 10 more working days for a draft plan and 15 for the final. If no plan is received Kevin indicated to Focus that PAMZ will consider options up to and including 30 day contract termination notice. **Done** Kevin met with Chuan Kua on September 14, 2012 and delivered letter that outlined PAMZ's course of action as described in previous sentences.

Focus's action plan was received Wednesday Oct 17, (ten days after original) deadline. Its key elements are:

- Internal Audit program and restructuring of management.
- Lenin Flores now senior instrument specialist and Lee Loran assigned as PAMZ Project Manager
- Three new techs assigned to work on PAMZ:
 - Stephanie Tandy
 - Gagandeep Singh
 - Chris Hendrickson

Kevin will ask the Board to make a decision on taking on the development of a PM2.5 management plan at its September 19 Meeting. **Done** The Board deferred making a decision on undertaking development of a PM Management Plan. As the CWS has been exceeded at the Red Deer Station for 2009-11, AESRD will be responsible for developing a mandatory PM management plan and PAMZ would participate in the plan but not take the lead.

6. PAMZ AQM Program

AENV Audit Status

PAMZ received a letter of closure from AESRD Sep. 14, 2012. On Oct. 19, 2012 Kevin submitted a summary of actions planned or taken and included Focus Action Plan. These include:

Red Deer

Review of Red Deer NOX & NO Data concluded that no values were observed that exceeded DAS full scale setting of 500 ppb (every max greater than 400 ppb was related to power interruptions, zero/spans or calibrations). No data was invalidated. 6 days of ozone data in May invalidated.

Caroline

Approx one month of TRS and PM2.5 data invalidated mid-April to audit May 9.

McCoy-Crossfield

409 hours of Wind direction data in April and May 2012 invalidated due to dead band in sensor's potentiometer

Martha-Crestomere

4 days of NO₂-NO-NO_x data in early May from install to Audit invalidated.

Focus

Focus will be submitting calibration reports, service reports on monthly basis until Al Clark satisfied that AMD is being followed. Stems primarily from single point calibration checks and points below 60% of Scale (NO₂ at Riverside). Focus will be submitting its training records for new hires also.

Caroline

- All levels within historical normals since September 6, 2012 TWG Meeting
- SO₂ hourly reading Oct. 21 at 2200 18 ppb hr avg (145 ppb max)
- THC Analyzer down 39 hours in September due to failing sample pump and hydrogen cylinder that ran empty
- PM_{2.5} analyzer down for 24 hours Oct 23-23, sampling tape ran out

Red Deer

- All levels within historical normals since September 6, 2012 TWG Meeting
- Only 4 H₂S readings >4 ppb in September and October 2012 attributed to Three Mile Bend Sewage Treatment facilities , 9 ppb hrly avg (18 ppb max) October 19, 2012 at 2300 hours
- 1 hour of PM_{2.5} data invalidated in September due to negative values, 22 hours in October (majority from Oct 20-23)
- 30 hours of CO data invalidated Oct . 30-31 due to failed infra-red source
- Outstanding AESRD actions
 - Replacement of Red Deer Wind System with cup & vane style (waiting for Env Canada)
 - Switchover of THC/CH₄ Teco 55 Analyzer back to Nitrogen carrier gas on hold

Martha

- Bluffton Site Sep. 6-20 readings at or near baseline
- AC unit failed removed to Calgary for Repairs
- Installed at Delburne on Sept. 26
- Garrington Resident backed out of monitoring agreement, upset about power issues from previous monitoring period
- Station will remain at Delburne site through end on November
- Crew Energy increased stack height at the 9-30-37-23 W4 facility on October 9-10
- Some Elevated SO₂ readings before and after

McCoy

- Station has been at Lacombe site from June 6 – Present as delays in finding Red Deer Site and getting site approval for Lancaster Reservoir
- Distributed notice of application and station fact sheet to 75 residents around Lancaster Site in early October
- Kevin will be attending a meeting of Red Deer Municipal Planning Commission on Wednesday, Nov. 21 as 4 residents filed letter of concern. Jim Saltvold filed a letter recommending approval
- Levels at Lacombe have been within historical normals
- During summer months and into September saw some low level TRS (H₂S) with no distinct wind direction correlation

Passives

Levels and patterns consistent with historical normals for August & September 2012. Station 6 (Limestone) samples went missing for September.

2013 Monitoring Schedule

Due to the delays in getting the McCoy Station installed at the Lancaster Reservoir site, the schedule for 2103 was revisited, discussed and adjusted. The new schedule will allow for summer monitoring at the Lancaster Reservoir if desired or follow-up monitoring at Mirror if requested. The following revised schedule was agreed to by the group.

	Martha	McCoy
Jan-13	Ferrier Acres	Lancaster Reservoir
Feb-13	Ferrier Acres	Lancaster Reservoir
Mar-13	Ferrier Acres	Lancaster Reservoir
Apr-13	Rocky Mtn House Area	Class 2 Landfill
May-13	Flaring Site	Sewage Lagoon
Jun-13	Sylvan Lake	Eagle Hill
Jul-13	TBD - Lancaster/ Mirror/ ?	Crossfield-Carstairs
Aug-13	TBD - Lancaster/ Mirror/ ?	Crossfield-Carstairs
Sep-13	TBD - Lancaster/ Mirror/ ?	Crossfield-Carstairs
Oct-13	Rocky Mtn House Area	Class 2 Landfill
Nov-13	Flaring Site	Sewage Lagoon
Dec-13	Sylvan Lake	Eagle Hill

Kevin will table the revised schedule at the November 21 Board meeting for their approval.

Bob Myrick indicated that AESRD would prefer to see an entire year of monitoring data for the Lancaster Reservoir Site before approving it as a permanent site. According to the Alberta Strategic Ambient Monitoring Plan, rec deer should have two stations and the Lancaster Reservoir could be the second station with Riverside remaining in operation. He indicated that PAMZ may want to consider applying to use AESRD's PAML station for additional monitoring at the Lancaster Reservoir site and apply for funds to run it.

Bob Myrick will let Kevin know if/when the PAML Station is available in 2013. At its January 2013 meeting, the TWG will decide on proceeding with an application for funding for additional monitoring using the PAML based on his response.

7. 2013 Operating Budget & Funding Apportionments (Attached)

The draft 2013 Operating Budget & Funding Apportionments were reviewed, discussed and approved. The total budget operating budget including \$60k for the capital expenditures fund is \$853,708. The funding allocations for the 18 EPEA Plants is \$587,528 up 4.5% from 2012. The funding allocation for small member companies remains unchanged at \$25,000.

Kevin will table the proposed 2013 Operating Budget and Funding allocations for the Board's approval at the November 21 Board Meeting.

Kevin will contact Jeff Cooper and make arrangements to renew Focus's contract for 2013 with addition of quarterly performance reviews.

8. 2008-10 and 2009-2011 CWS Assessment Results (presentation attached)

Andrew Clayton, AESRD, delivered a presentation summarizing the 2008-10 and 2009-2011 CWS Assessment Results. The presentation confirmed that the PAMZ Riverside station exceeded the PM Management Plan Trigger for the 2008-10 Assessment and the CWS for the 2009-11 Assessment. Neither Caroline nor Riverside exceeded the management plan trigger for Ozone. The new Canadian Ambient Air Quality Standards (CAAQS) and their implementation were discussed. There are a number of developments that will impact the implementation of any management plans or plans to reduce levels below the CWS and/or CAAQS, these include the alignment of Airshed Zones with Regional Plans and the Alberta Environmental Monitoring Commission which is being assigned responsibility for overseeing ambient air monitoring in Alberta.

AESRD will not be undertaking a public media release campaign concerning the 2009-11 Assessment results. They will just post them on their website.

Kevin will discuss a media release concerning 2009-11 assessment results with board and communications committee at their next meetings.

9. Other Business

2013 Meeting Dates

The following TWG meeting dates for 2013 were agreed to:

Jan 25, Apr 12, Jun 14, Sep 20, Nov 22

The January 25 and November 22 meetings will include the Midnapore and St Albert ERCB Video conference centres.

10. Upcoming Events

- PAMZ Board Meeting Nov. 21, 3:00-7:00 GH Dawe Centre, Red Deer

11. Next Meeting

The next TWG meeting will be held Friday, January 25, 2013

ADJOURNMENT

The meeting was adjourned at 12:10