



Minutes: **Technical Working Group Meeting**
Date: **September 5, 2014**
Location: **G.H. Dawe Centre, Boardroom, 56 Holt Street, Red Deer**

Participants:

Jon Cuttress – Focus	Lenin Flores - Focus	Crissy Handziuk – NOVA Chemicals
Shane Lamden – NOVA Chemicals	Colin Long - Keyera	Maxwell Mazur - ESRD
Shelley Morris - AEMERA	Dale Nylund - Altagas	Karlee Overguard- Shell
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, Jim Saltvold, at 0905 hrs
2. All attendees introduced themselves.
3. The agenda was reviewed and accepted with the addition of 2015 Portable Sites and Passive Monitoring Program Pricing Review under other business.
4. The minutes of the June 13, 2014 meeting were accepted.
5. The status of action items arising from the June 13, 2014 meeting was reviewed.

Kevin will include removal of the two passives from the PAMZ network in the scope of work for the RFP for the AQM Plan Update should PAMZ receive funding from ESRD for the work. RFP would be sent out in August and decision made at the September TWG Meeting **DONE** To be discussed under AQM Pan Update in Other Business

Shelley of AEMERA will approach Environment Canada to find out what needs to be done to make the Lancaster station part of the NAPS network **CARRY FORWARD** Shelley will follow-up once AQM Station is permanently in place at the Lancaster Site

Kevin will get pricing estimates from Maxxam and a few other labs and bring to September TWG meeting for further discussion about renewing with Maxxam or going out to tender. **DONE** To be discussed under Passive Monitoring Program Pricing Review in Other Business

6. PAMZ AQM Program

AEMERA Audit

The PAMZ AQM Network was Audited by Al Clark on June 16, 17, 18 & 20

Red Deer - June 16

- TEOM, Sharp & Met Sensors Not Audited (Raining)
- Remaining analyzers all passed with exception of THC/CH4
- THC/CH4 Analyzer failed unlinear response to Methane concentrations > 10 ppm
- Analyzer since replaced with original ESRD unit, review of THC & CH4 hourly average and maximum data collected by loaner analyzer March 21, through June 16, 2014 concluded there were no concentrations greater than 10 ppm, so dataset is valid and nor resubmission required

A.I. Focus will conduct review of the Riverside Dataset since the audit to see if there are any THC values > 10 ppm.

- Analyzer re-wired so that CH4 and NMHC concentrations will be captured and THC concentrations derived from digital data i.e. $CH_4 + NMHC = THC$

A.I. Focus will ensure that the calibration SOP is amended to reflect this change

- NOx and O3 analyzers' external output connector cards have since been secured properly to analyzers

Caroline – June 17

- All analyzers and met sensors passed

Olds South – June 18

- All analyzers and met sensors passed
- Recommend two step stairs be used (safety issue)

A.I. Focus will install two-step stairs ASAP

Ponoka – June 20

- All analyzers and met sensors passed
- Solar Radiation sensor was oriented east (could be shaded in late afternoon) and was reoriented to face south on day of audit
- Slight bend in PM2.5 analyzers sample intake tubing
- Recommend two step stairs be used (safety issue)

• A.I. Focus will install two-step stairs and replace sample tubing ASAP

• A.I. Focus will add checking sample tube perpendicular alignment to station checklist and SOP

Kevin Received Closure letter from Al Clark August 5, 2014 and will report back to Al once all the outstanding follow-up action items have been completed.

Kevin requires 2013 PAMZ EPEA Plant SOx & NOx Emissions before November in order

to generate funding allocations associated with 2015 budget.

A.I. Shelley Morris will follow-up to determine the appropriate ESRD contract for Kevin.

Kevin requires 2015 pricing from Focus before November.

A.I. Focus will provide Kevin with 2015 pricing before November.

Caroline

- Levels within historical levels through summer months with exception of PM2.5 July 11-20
- Two 24 Objective exceedences (July 16 & 17) , One 1-hour guideline exceedence July 17
- Power failure during Thunderstorm August 17 resulted in Shell DCS system freeze-up, PAMZ System Okay
- Will replace BAM 1020 with Sharp 5030 – Focus to order ASAP install by year-end

Red Deer Riverside

- All levels within historical normals
- High PM2.5 levels July 11-20 (two 24 hour exceedences - July 16 & 17)
- Elevated H2S from sewage treatment ponds early morning hours following warm days
- Problems with H2S analyzer (ESRD Owned), below 90% op. efficiency for August,

A.I. Focus will install replacement analyser from ESRD as soon as possible

Martha Portable

- The Martha Station has been at Ponoka since April 2.
- The Levels of monitored compounds are similar to those in other medium-sized towns where PAMZ has conducted monitoring
- Two 24 Objective exceedences (July 16 & 19) , One 1-hour guideline exceedence July 20
- Winds – tanker truck filling gas station similar to N. Innisfail

McCoy Portable

- The McCoy Station was located at the Olds South Site from Mid-April to early July
- Levels are similar to those in other medium-sized towns where PAMZ has conducted monitoring
- Negligible NO2 and THC emissions associated with motor vehicles and generators in campground for late May and June
- Station was installed at James River East site in early July, a month early as Everdell resident did not want station back as he felt nothing was being done to address his is odour issue
- Levels within historical levels through summer months with exception of PM2.5 July 11-20 (Forest Fires)
- Three 24 Objective exceedences (July 11, 16 & 17) , Seven 1-hour guideline exceedences, PAMZ site most impacted by forest fires
- THC levels not as elevated as February (2.9 PPM max), fewer episodes and no strong directional correlations
- Station being relocated to Crossfield-Carstairs site next week

Passives

- Levels and patterns consistent with historical normals for May, June & July 2014 with exception of SO₂
- High levels in south for SO₂ for May
- Higher SO₂ values throughout network for July (Forest Fires)
- O₃ for July maybe slightly higher (forest fires)

7. Ozone and PM_{2.5} Management Plans

- Linda Jabs left ESRD for AEMERA
- File transferred to Maria Vavro, ESRD
- ESRD currently reviewing actions that were assigned to AENV and SRD to determine appropriate follow-up
- Kevin met with new ESRD reps on August 26
- At the upcoming board meeting the board needs to reconfirm the Ozone Mgmt Committee will be reconvened. Its membership will need to expand TOR to include PM_{2.5} Plan development support
- The Communications Committee will work with ESRD on organizing a November public meeting/workshop if approved by the board

8. Lancaster Site Update

- Funding approval received June 25, 2014
- Initial Site Survey Conducted July 4 (4 points - Northing & Southing)
- Site Plan required more info - Complete Survey done July 31
- Survey Plot Plan Received August 18
- ITB Floor Plan & Profile Drawings received August 21
- Waiting for:
 - Comprehensive Hard & Soft Landscaping Plan with drawings from Parkland Garden Centre, dropped Creative Landscaping
 - Power feed details from City of Red Deer Power & Electric
- Assuming application submitted next week, we are looking at early November approval earliest, pad could be done 2014, fencing & landscaping 2015
- Originally had approval from Ponoka to keep Martha station at site through 1st week of September now expanded through November
- After some discussion about various options it was agreed to leave the Martha Station at the Ponoka site until the Lancaster site is ready. Status will be reviewed at next TWG meeting.

9. Other Business

2015 Portable Sites & Schedule

- Issues Response Group met August 28 at Best Western Hotel in Sundre
- From review of ERCB, ESRD & SPOG Complaint Records and May 14 Public meeting proceedings the IRG are recommending:
 1. Area of high O & G Development (Sundre or RMH) 11
 2. Oil and Gas Storage Tank Venting 7
 3. Johnston Residence 7

- | | |
|---|---|
| 4. Site along Highway 2 near Crossfield (H ₂ S & SO ₂ Odours) | 4 |
| 5. Site of proposed sawmill west of RMH | 3 |
| 6. Gravel Pits (TSP Monitoring) | |

2015 Portable Schedule

2015	Martha		McCoy
January	Red Deer Lancaster Reservoir	January	Crossfield-Carstairs
February	Red Deer Lancaster Reservoir	February	Crossfield-Carstairs
March	Red Deer Lancaster Reservoir	March	Crossfield-Carstairs
April	Red Deer Lancaster Reservoir	April	Area of High O & G Development
May	Red Deer Lancaster Reservoir	May	Oil & Gas Storage Tank Venting
June	Red Deer Lancaster Reservoir	June	Johnston Residence
July	Red Deer Lancaster Reservoir	July	Rimbey or Beiseker
August	Red Deer Lancaster Reservoir	August	Rimbey or Beiseker
September	Red Deer Lancaster Reservoir	September	Rimbey or Beiseker
October	Red Deer Lancaster Reservoir	October	Area of High O & G Development
November	Red Deer Lancaster Reservoir	November	Oil & Gas Storage Tank Venting
December	Red Deer Lancaster Reservoir	December	Johnston Residence

AQM Plan Update Contractor Selection

- RFP sent out to 6 companies on July 29, 2014 due August 15, 2014 - Decision to be Announced Today, Sep. 5
- AMEC, Stantec, Sonoma Technologies, Millenium Solutions, Calvin Consulting
- AMEC and Millenium declined to bid
- Bid Evaluation Team met earlier this morning (Kevin Warren, Aaron Rognvaldson, Shane Lamden, Reg Watson)
- Group recommended that Stantec be awarded the work with the Ambient Objective Workshop option

A.I. Kevin will communicate the decision to Stantec and set up contract.

Passive Monitoring Program Pricing Review

- After reviewing pricing from AMEC and Maxxam it was decided to renew contract with Maxxam for 3 years i.e. 2015-2017

10. Upcoming Events

PAMZ Board Meeting – Red Deer September 17
AAC Meeting – Edmonton September 23

11. Next Meeting

The next meeting of the TWG will be November 14, 9:00-12:00 at the New AER Red Deer and AER Midnapore AER Offices with a videoconference link.

12. Adjournment

The meeting was adjourned at 11:40 hrs.