



Minutes: Technical Working Group Meeting
Date: June 13, 2014
Location: AER Boardroom, # 202, 4909 - 49th Street, Red Deer

Participants:

Noor Alif - ESRD	Neil Berry - AER	Jeff Cooper - Focus
Jon Cuttress – Focus	Lenin Flores - Focus	Brian Goliss - Shell
Crissy Handziuk – NOVA Chemicals	Shane Lamden – NOVA Chemicals	Shelley Morris -ESRD
Dale Nylund – Taylor/Altagas	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 new chair, Jim Saltvold, at 0905 hrs
2. All attendees introduced themselves.
3. The agenda was reviewed and accepted with the addition of Maxxam Contract under other business.
4. The minutes of the April 11, 2014 meeting were accepted.
5. The status of action items arising from the April 11, 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. **DONE** Kevin and Al Clark of AEMERA met with the members of the City of Red Deer Development and Environmental Services Departments on May 12, 2014. Discussed in item 8.

PAMZ will revisit the Maxxam contract in June and make a decision on re-tendering the work in the fall. **DONE** Added to agenda under other business

Kevin will begin investigating the removal of the two passive sites in Banff National Park from the network. **DONE** Discussed in Item 6.

6. PAMZ AQM Program

Kevin met with Jon Cuttress of Focus the previous day for a mid-year performance review. He is satisfied with performance to date with only 1 significant incident (a delay in calling in a PM2.5 exceedence). Focus assured Kevin the network is prepared for an ESRD Audit when it comes. NOTE: Shortly after the meeting Kevin learned that the network would be

audited by AEMERA the following week.

The 2014 GOA Fiscal Year contract for the operation and maintenance of the Riverside Station has been received. The contract includes clauses that allow for the contract to be transferred to AEMERA at some point in the future if and when required. Received contract from ESRD re: Red Deer Operations. There is also an amended requirement for \$2,000,000 CGL for any automobiles owned by contractor (was \$1,000,000). Focus confirmed that their Auto insurance meets this requirement. Kevin signed the contract and delivered it to Shelley at the meeting.

There is still no word on the status of the application to ESRD for funding the Lancaster site and monitoring or updating Air Quality Monitoring Plan.

The PAMZ Issues Response Group held the annual Public Issues Identification & Prioritization Meeting in Sundre on May 14. There were 22 attendees, half board/committee members and half public and PAMZ member organizations (West Fraser, Sundre Forest Products, Mountain View County).

The Sites recommended for monitoring in 2015 with their respective weightings are:

Area of high O & G Development (Sundre or RMH)	16	
Location with dust from gravel pit, construction, etc.		15
Site along Highway 2 near Crossfield(H2S & SO2 Odours)	14	
Johnston Residence	14	
CFOs/Feedlots	10	
Oil and Gas Storage Tank Venting	9	
Highway 2 Transportation Emissions	9	
Plains Midstream Red Deer Pipeline Leak Follow-up	8	

The recommendations will be reviewed at August IRG meeting to finalize the recommendations for portable monitoring locations in 2015

Membership Fee Update – PAMZ Has received \$615.7K of \$617 K from EPEA Plant Members. Only Penn West Petroleum Ltd. Gilby is outstanding (\$ 1,303.57). Small member companies have remitted \$18 K to date.

New 3G Modems were installed at all three PAMZ owned Stations in May and working fine

Caroline

- One exceedence of hourly PM2.5 guideline since April 11 Meeting - 85 ug/m3 April 21 at 2000, winds WSW 7
- No recent PM2.5 high-scaling episodes at Caroline
- No recent elevated THC episodes
- Performance of Wind Speed Sensor for April was below 90% (82.2%). The new wind sensors now installed; initially had problem with new wind sensor, returned to factory and a replacement was installed May 21

Red Deer Riverside

- No exceedences of any objectives or guidelines, including PM2.5, since April 11 TWG Meeting

- Continuing to see significant difference between SHARP & TEOM even though average temperature was above zero (~ 35% of temperature readings below zero)

Ponoka

- The Martha Station was installed at the pumping station site on April 2
- To date levels of monitored compounds are similar to those in other medium-sized towns where PAMZ has conducted monitoring
- There were two high NMHC spikes mid-day April 15 and 27 with light NNW Winds Kevin suspects it maybe tanker trucks filling a nearby gas station's tanks similar to what was previously experienced at the North Innisfail site. Kevin will monitor the situation.

Olds

- The McCoy Station was installed on April 15 after the ITB Factory overhaul and calibrated on April 16
- So far levels are similar to those in other medium-sized towns where PAMZ has conducted monitoring
- Expect to see some NO₂ and THC emissions associated with motor vehicles and generators in campground for late May and June

Passives

- Levels and patterns are consistent with historical normals for March and April 2013
- Kevin provided a summary of the network averages and the effect of removing the two mountain park sites from the network that concluded the effect would be negligible.

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.

7. Ozone and PM_{2.5} Management Plans

Kevin advised that progress on the plans has been slow. The ESRD science team is reviewing PAMZ PM_{2.5} data and other parameters to answer a number of specific questions. In light of recent ESRD staff departures to AEMERA and AER, public meetings on the plan may be delayed. The Alberta Capital Region Plan should be done by the end of 2014 and there is expected to be a lot of similarity between that plan and one for PAMZ, especially with respect to motor vehicles.

8. Lancaster Site Update

- ESRD review of data is questioning wind head alignment – for Lancaster Winter 2012/13. It appears the wind direction is out 180°. Focus is reviewing the data.
- Will require a permanent development permit and an lease agreement with City of

Red Deer Environmental Services

- Requirements for permanent development permit quite stringent
- Require engineered drawings of location layout, elevations, etc.
- Will require public notification process 10-12 weeks from application
- City of Red Deer Water, Power & Electric and Environmental Services will provide letters of support
- Planning department recommend some site beautification
- Any security fencing should not be an “eyesore”
- Could include a digital display of AQHI for public
- Will discuss with residents who attend June 18 AGM
- Target a September Installation, could ask ESRD to apply some of funds (if received) towards installation costs since no monitoring will occur in July and August

The group agreed that once ESRD funding has been confirmed, Kevin can proceed to make arrangements for the surveying and preparation of the site. Kevin will use Focus to conduct site survey.

Shelley of AEMERA will approach Environment Canada to find out what needs to be done to make this station part of the NAPS network which would make it eligible for long-term equipment upgrades and funding. The first priority would be the replacement of the BAM PM2.5 monitor with a Sharp 5030.

9. Other Business

Maxxam Contract

The current contract with Maxxam expires at the end of 2014. Kevin has been satisfied with their performance to date.

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.

10. Upcoming Events

PAMZ Board Meeting and AGM – Red Deer June 18

11. Next Meeting

The next meeting of the TWG will be September 5, 9:00-12:00 at the Red Deer office with no videoconferencing.

12. Adjournment

The meeting was adjourned at 11:15 hrs.