



**Minutes:**           **Technical Working Group Meeting**  
**Date:**               **April 10, 2015**  
**Location:**         **Alberta Energy Regulator Boardroom**  
                              **- Room 213, # 201, 5002 - 55 St Red Deer**

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Participants:

|                               |                                 |                             |
|-------------------------------|---------------------------------|-----------------------------|
| Tyler Beattie - Trojan Safety | Neil Berry, AER                 | Jeff Cooper - WSP           |
| Jon Cuttress – WSP            | Crissy Handziuk, NOVA Chemicals | Phoenix Le - ESRD           |
| Max Mazur - ESRD              | Shelley Morris, ESRD            | Dale Nylund, Altagas/Taylor |
| Steve Quine - ME Global       | Aaron Rognvaldson - Husky       | Jim Saltvold - Public       |
| Kevin Warren - Amarok         |                                 |                             |

**Bolded Items are Action Items**

1. The meeting was called to order by the chair, Jim Saltvold, at 0910 hrs
2. All attendees introduced themselves.
3. The agenda was reviewed and accepted as circulated.
4. The minutes of the January 16, 2015 meeting were accepted.
5. The status of action items arising from the January 16, 2015 meeting was reviewed.
  - 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** ESRD/AEMERA (Shelley) will follow-up once AQM Station is permanently in place at the Lancaster Site
  - ESRD/AEMERA (Shelley) will follow-up on the provision of a Sharp 5030 PM2.5 analyzer at Lancaster at earliest opportunity. **CARRY FORWARD** See above re: NAPS Designation
6. PAMZ AQM Program

Caroline

- Ambient Levels largely within historical normals since January meeting to present
- SO<sub>2</sub> – 167 ppb spike 15 ppb hr avg 1100hrs WSW kmph, no source attributed, operations normal at Shell Caroline and wind direction suggest another source(s).
- The new Sharp 5030 PM<sub>2.5</sub> analyzer correlates well with the existing BAM 1020 with a general +5% bias since installation.

#### Riverside

- Levels within historical normals since January meeting to present
- Renegotiating land use agreement with City of Red Deer that will also incorporate the Lancaster site – currently give City a \$5,500 credit towards annual membership fee, typically \$35,000
- Looking at \$10,000 Annual Credit on future membership invoices – Power for two sites calculated to be (\$6,500-\$7,000) annually
- After some discussion by the group it was agreed that the TEOM FDMS unit can be decommissioned and returned to ESRD. There is collocated TEOM and Sharp data since August 2013 and the TEOM required major annual overhaul if it was to remain in service.

**WSP will remove the TEOM FDMS and return to ESRD later in April or early May.**

#### Lancaster

- Levels within historical normals for City of Red Deer, no exceedences or PM<sub>2.5</sub> event days (>20 ug/m<sup>3</sup>) since January TWG Meeting.
- PM<sub>2.5</sub> levels trending closely with Riverside Sharp with a slightly higher average.
- Landscaping and fencing work on hold as Environmental Services Department has concerns about ground penetrations (unsure of depth of fill over reservoir cells) and landscaping plans
- Discussing with engineers and internally, any application to amend development permit conditions would be covered by the city

#### McCoy Portable

- Levels at Crossfield Levels within historical normals from January meeting to present
- Recorded 9 ppb TRS Hourly avg. 0600 hrs SSW winds 11 kph, waiting to hear back from TAQA North
- Station was removed April 1<sup>st</sup> and relocated to Eagle Hill South Site
- Site in an area of extensive oil and development 13 km NE of Sundre at Justine Gardner (ex-AER) Residence
- Originally was looking at a site to address concerns from a resident re: SO<sub>2</sub> Odors they believe are coming from Harmattan area. Negotiations with another resident broke down. Will revisit issue at a later date.

#### Passives

Levels and patterns consistent with historical normals for December '14 through February '15

#### 7. PM<sub>2.5</sub> Management Response Update

- Max Mazur, ESRD presented proposed outline and general content overview for science

section of PM2.5 Response document. The group accepted Max's recommendations. (See attached presentation)

- Group discussed possible future enhanced monitoring program options for PM2.5 (speciation) and modelling (source apportionment)

## **BREAK**

### 8. AQM Plan Update

- Reviewed proposed changes and additions to the updated Air Quality Monitoring Plan, final submission due April 30.

**Kevin will ensure that revised AQM Plan is submitted to ESRD by April 30 deadline.**

### 9. Other Business

#### AAC-AEMERA

- Group presented an update on AAC-AEMERA activity and proposed next steps
- The AAC has proposed to AEMERA that the work proceed in two phases:
  - Phase 1: Roles and Responsibilities Forum
    - AAC has retained Karla Reesor for the development and facilitation of a Roles and Responsibilities Forum May/June 2015
    - \$23 K + Actual Forum Costs
    - AEMERA contributing \$30 K, Airsheds \$9K (2015 membership fees), balance after forum and other work in progress will be \$9K
  - Phase 2: Launch Multi-Agency and Multi-Stakeholder Working Groups to Address Remaining Issues
    - Topic 1 Roles and Responsibilities
      - Clarify any remaining questions about roles for air monitoring, evaluation, reporting and policy
      - Identify opportunities for partnership among the organizations
      - September - December 2015
    - Topic 2 Sustainable Funding for Airsheds
      - Recommendations on a funding formula and mechanism for non-oilsands Airsheds
      - Recommendations would include consideration of costs related to air monitoring, air quality management, outreach and administration for Airsheds
      - Consideration would be given to point and non-source emissions in the funding formula
      - September 2015 – June 2016
    - Topic 3 Full Province Air Monitoring
      - A plan to act on boundary changes that have already been contemplated and supported by existing Airsheds, subject to funding being available. (Short term solutions)

- Options for air monitoring for the remaining areas of the province
- A Guidebook for new or emerging Airsheds
- September 2015 – June 2016
- Topic 4 Review AAC Structure
  - A structure and resourcing plan for AAC that will support the identified role
  - Documented policies and procedures (as needed)
  - September – December 2015
- The AAC budget and related funding currently does not extend beyond reporting on outcomes from the Roles and Responsibilities Forum. Waiting to hear back from AEMERA on proposal for Forum and Phase 2.

#### QAP Audit

- Kevin provided an update on Quality Assurance Plan Audit, Calvin Consulting had also conducted an audit of monthly and annual reports even though this was outside the scope of the project. PAMZ will pay for half of the additional cost for this work as there is definitely value in the report audit. The report will be reissued as two separate and distinct reports. Kevin hopes to have these prior to next meeting and plans to review the QAP report findings at the next meeting.

#### 10. Upcoming Events

PAMZ Board Meeting – April 15, GH Dawe Centre, Red Deer

PAMZ issues Identification Meeting, Jubilee Hall, Big Valley, May 13, 6-8:30 PM

Clean Air Day – Vehicle Emissions Testing Clinic 10-6, Enviro-fair 10-4, Action Hero Awards

Luncheon 1130-130 all at the Sheraton Red Deer, June 3

PAMZ Annual General meeting – Comfort Inn & Suites, Sylvan Lake, June 17, 6-7 PM

#### 11. Next Meeting

The next meeting of the TWG will be June 12, 2015 at the New AER Offices in Red Deer.

#### 12. Adjournment

The meeting was adjourned at 11:50 hrs.