



Minutes: **Technical Working Group Meeting**
Date: **January 16, 2015**
Location: **Alberta Energy Regulator Boardrooms**
 - Room 213, # 201, 5002 - 55 St Red Deer

Participants:

Noor Alif - ESRD	Neil Berry, AER	Renata Coderre, ESRD
Jon Cuttress – WSP	Crissy Handziuk, NOVA Chemicals	Max Mazur - ESRD
Shelley Morris, ESRD	Dale Nylund, Altagas/Taylor	Karlee Overguard, Shell
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 November 14, 2014 meeting were accepted.
5. The status of action items arising from the November 14, 2014 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** Shelley will follow-up once AQM Station is permanently in place at the Lancaster Site
 - Kevin will follow up with Calvin to arrange logistics for Audit of QAP **DONE** Deferred to January/Feb because of vacation schedules
 - Jon Cuttress will check on status of Sharp order and update Kevin **DONE** Sharp was installed at Caroline on Dec. 18 and calibrated Dec. 30
 - TWG will review draft AQM Plan and provide comments back to Kevin by January 9, 2015 **DONE** Comments received from 5 members, met with Stantec & Novus yesterday discussed later in meeting

6. PAMZ AQM Program

General

Funding

No ESRD funding assistance required for core budget. At this time there are also no special projects requiring ESRD funding in 2015. Kevin met with Penngrowth Olds rep and they have agreed to remit their full membership fee for 2015. All EPEA Plant Invoices will be mailed out next week. The \$1,000 Company invoices still require 2013 AER production files to determine which companies have operation in the zone. A request for the information was made through the Alberta Airshed Council. Riverside and Lancaster operations will be funded through ESRD/AEMERA for 2015 fiscal year

AAC-AEMERA

The AAC Executive and Consultant Karla Reesor met with Jay Nagendran (interim Pres/CEO AEMERA) on Jan 6. Once Karla has met with several of the airsheds she will develop a more detailed schedule and work plan for review by the AAC, and subsequently AEMERA. AAC is working with ESRD to get the funding for the Air Forum redirected to the current work Karla is doing for AAC-AEMERA. AAC will ask AEMERA for an extension of the contract we have with them to mid-2015 or later (was March 31)

Other

Kevin is working with contractors and other airsheds who submitted comments on AMD Chapter 9 (Reporting) proposed revisions. There is a meeting in Edmonton with ESRD/AEMERA next Tuesday afternoon to review common concerns. Airsheds feel that a much higher level of interpretation and investigation is being requested for reported values as well as significant additional work on annual reports.

Caroline

- Ambient levels have largely within historical normals since November meeting to present. There were two hourly PM2.5 exceedences Jan. 12
 - 21:00 - 22:00 80.2ug/m3 WS14 km/hr WD255
 - 22:00 - 23:00 102.8ug/m3 WS13 km/hr WD260
- Slash burning by SFP or Plains Midstream in the region is the suspected source(s).
- A new Sharp 5030 PM2.5 Monitor was installed Dec. 18
- Wind speed operating efficiency was below 90% in January, cups stuck Jan 5-7 heavy snowfall overwhelmed sensor's anti-icing capability. Access road not plowed by until evening of Jan. 7

Riverside

- Ambient levels within historical normals since November meeting to present
- City has installed a new gravel pad at the site with a smaller footprint
- Kevin has scheduled meeting with the City April 1 to renegotiate land use agreement with City of Red Deer that will also incorporate the Lancaster site – currently give them a \$5,500 credit towards annual membership fee, typically \$35,000.
- A comparison of the TEOM and Sharp PM2.5 values over last 16 months was reviewed; While there is a consistent positive bias for the TEOM, no clear correlations with

meteorological conditions have emerged.
Lancaster

- PAMZ received site development permit on December 5
- Focus relocated Martha Trailer from Ponoka to Lancaster site Dec. 10
- City of Red Deer Water Department would not allow us to install trailer at approved site re concerns about trailer and truck weight
- Temporarily monitored at site located just off of the reservoir cells until trailer finally located at site on Dec. 23 after Water Dept. determined weight of site will not exceed load bearing capability of cell roof
- PM2.5 is being monitored at Lancaster with BAM 1020
- PM2.5 is being monitored at Riverside with Sharp 5030 (reported) and TEOM FDMS (comparison)
- Most of the time PM2.5 at Lancaster reading higher than Riverside
- Kevin recommends installing a Sharp at Lancaster at earliest opportunity and continue operating BAM for at least a year (same as Caroline)

Shelley Morris will follow-up

Crossfield

- Levels within historical normals since November meeting to present
- Station will be removed at end of March 2015 and located to a site in the Sundre or Rocky Mountain House area. Kevin will ground-truth (reconnoiter) possible sites in February-March.

Passives

Levels and patterns consistent with historical normals for October through November

7. PM_{2.5} Management Response & O₃ Mgmt Plan Updates

- Max Mazur, ESRD provided a powerpoint summary of the PM2.5 Science Advisory panel's findings to date and proposed path forward. (Presentation attached)
- The medium and long term objectives in the O3 management Plan that were assigned to ESRD are currently under internal review.

BREAK

8. AQM Plan Update

- 6 TWG members contributed reviews of the plan (including Kevin)
- Kevin met with Erin Evans (now with Novus) and Peter Reid (Stantec) yesterday to review plan and comments.
- Much of reviewers' comments will be incorporated
- Formatting of titles and layout needs to be made consistent throughout (draft used pasted extracts from documents)
- Grammar and spelling errors to be corrected

- All maps except zone map will be done in google earth with only one google map per each continuous station (location, roads and topography combined)
- Adding glossary of acronyms and listing of references
- Separate maps for continuous and passive sites. Portable sites (dates and legal description) will be listed only
- The Lancaster Station will be treated as a permanent site in plan
- The plan will not include listing of receptors as this work has not previously been done/documentated when original plan was formulated, could be done in future as part of work for regional land use plans.
- ESRD not providing comments on draft as they have a perceived conflict.....
- Original final draft due from Stantec Jan 23, extended to Jan 29
- Will review and submit to ESRD Feb. 1

9. Other Business

No other business was discussed.

10. Upcoming Events

- Board Meeting January 21 at GH Dawe Centre in Red Deer
- PM2.5 Advisory Committee Meeting January 28 in Red Deer
- Airsheds-ESRD Chapter 9 Discussion Meeting January 20 in Edmonton
- North Saskatchewan Regional Plan Workshop, Rocky Mountain House Feb. 12

11. Next Meeting

The next meeting of the TWG will be April 10, 2015 at the New AER Offices in Red Deer.

12. Adjournment

The meeting was adjourned at 11:55 hrs.