



PARKLAND AIRSHED MANAGEMENT ZONE TECHNICAL WORKING GROUP (TWG)

MEETING MINUTES

Date: Friday, September 26, 2008
Time: 0905-1215
Location: AEUB, 2nd Floor, 4909 - 49 Street, Red Deer
Chair: Shane Lamden

Attendees: Mansoor Ahmad - AENV Gary Cross - Focus Lloyd Cumming - Public
Joffre Dechaine - Agrium John Drennan - Trident Harold Gold - Bonavista
Brian Goliss - Shell Warren Grimes - AENV Cody Haney - Keyera
Shane Lamden - NOVA Jennifer Lutz - EUB Dale Nylund - Taylor
Kevin Warren - Amarok Reg Watson - Public

Bolded Items are Action Items

1. The meeting was called to order by the chair Shane Lamden at 0905.
2. Those present introduced themselves.
3. The agenda was reviewed and accepted with the addition of a discussion of the draft Alberta Environment and Airshed Monitoring Roles and Responsibilities Document under Other Business. Items 7 & 8 were later moved to follow item 10 as Gary Cross was late getting to the meeting.
4. The minutes of the June 9, 2008 meeting were accepted.
5. The status of action items arising from the June 9 meeting were reviewed.

AGAT will provide Kevin with a final Hardcopy of their QAP, their complete upgraded Standard Operating Procedures and a Table of Contents that can be included in the PAMZ QAP Appendix. **Dropped** AGAT's services were terminated effective August 31, 2008. Discussed in more detail under Item 6.

AGAT to meet with RSLs ASAP and make arrangements to transfer the historical data. **Dropped** Garth Stanley has agreed to make copies of the PAMZ data from RSLs's offsite backup copies.

AGAT and Kevin will meet monthly at a minimum to discuss AGAT's progress in achieving the deliverables outlined above and the operation of the PAMZ Program. **Dropped**

Dorothy will provide more details on missing Sundre Forest products results at next meeting. **Dropped**

AGAT is following up the audit results and will have their calibration rig checked by AENV.

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Done

Kevin will obtain the AENV PM_{2.5} Audit Protocol and Met One recommended Flow Check procedures and forward onto Darren. **Done**

Kevin will investigate how FAP BAM 1020 PM_{2.5} monitor fared with its audit. **Done** The FAP BAM 1020 passed its audit.

Darren will follow up on air conditioner issue and CO monitor status. **Done** The air conditioner limped through the summer and should not be an operational issue in the fall with cooler temperatures. AENV indicated that the Red Deer station is at the top of the priority list for replacement.

Darren will arrange for a visit to site to restore communications and Aaron will see that Husky Operators visit the station regularly to ensure HVAC is running. Darren will coordinate AGAT's station visits with Aaron. **Done** Communications to the site were not restored until August 29, 2008.

Darren will follow-up and see that Kevin gets the Swan Lake AQM Reports. **Done** Kevin received November 07 - July 08 reports on August 29. Reports were formatted incorrectly i.e. ppm not ppb and the pollutant roses did not capture concentration in the 1-9 ppb range (the majority of readings).

Shane Lamden will send letter to Mike Hartwick detailing PAMZ's assessment of AGAT's performance since April 29 Meeting and concern over the poor performance with a warning that PAMZ is investigating options to ensure the operation and maintenance of its AQM Program are improved. **Done**

6. AGAT Termination (Update)

On July 3, 2008 the contractor performance sub-group met to review AGAT's performance since its June 5, 2008 meeting and decide upon next steps. No follow-up report had been received as per AGAT's action plan and no response had been received to Shane Lamden's letter to Wayne Hartwick, AGAT's Vice-President Western Operations. The July 3 meeting focussed on compliance requirements although non-compliance issues were raised and discussed.

The unanimous opinion of the sub-group of the TWG was AGAT's performance had not improved since the assessment completed on June 5, 2008. The sub-group was concerned that as a result PAMZ may be losing credibility with regulators as well as the confidence of its members and that its reputation is suffering.

The sub-group's recommendation was to terminate AGAT's Services effective July 31, 2008 and to contract the operations, maintenance and reporting of the PAMZ AQM Program to Focus Corporation, who was the other short-listed company following the most recent contract RFP process.

This recommendation was accepted by the PAMZ executive the same day and Kevin was instructed to communicate the decision and the reasons for the decision to the PAMZ Board and

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TWG that evening.

On July 4, 2008 the PAMZ Chair, Executive Director and TWG Chair met with Mike Hartwick (phone) and Darren Morrisette (in-person) to communicate its assessment of AGAT's performance, the decision to terminate AGAT's services and discuss the next steps. A letter of termination was delivered to Darren Morrisette at the meeting that day.

On July 7, 2008 John Desanti, the owner of AGAT sent an e-mail to the PAMZ Board and TWG expressing his displeasure with the decision.

On July 8, 2008 the PAMZ Executive met to discuss AGAT's reaction and decide upon the next steps. The consensus of the executive was that the termination decision should stand. It was noted that Mr. Desanti requested a meeting with the executive and the executive agreed to meet with him.

On July 11, 2008 the executive committee met with John Desanti, Shane Adam and Darren Morrisette of AGAT. Following some discussion with AGAT, the executive committee re-iterated its decision to continue with termination of services. AGAT indicated that they would challenge the decision and requested that our lawyer contact their lawyer. Kevin Warren was directed by the executive to seek legal representation with regards to this matter.

On July 31, 2008 PAMZ's lawyer (Warren Sinclair LLP – Donna Purcell) met with the PAMZ board to review her legal opinion. The board agreed by consensus to direct Ms. Purcell to instruct AGAT's counsel that representatives of the PAMZ board and our lawyer were prepared to meet with AGAT representatives, their lawyer, and to extend the agreement to August 31, 2008. They also agreed to empower a small sub-group to meet and communicate with AGAT and their lawyer and to make decisions on behalf of the PAMZ board regarding AGAT.

On August 13, 2008 the sub-group, along with PAMZ's legal counsel (Warren Sinclair LLP- Michael Sinclair), met with AGAT and AGAT's counsel at the Mountain View County office building. A verbal offer was made by PAMZ to continue using AGAT's services to September 30, 2008 after which time either party would have the option of terminating the relationship with an assurance of no litigation, thereby giving AGAT an opportunity to "fix" the problems. This was not acceptable to AGAT.

On August 20, 2008 PAMZ's lawyer sent AGAT a letter restating PAMZ's decision to terminate services effective August 31, 2008 and requesting return of keys, equipment and data and completion of reports for work done by AGAT up to the termination date. A second letter was also sent restating the verbal offer made August 13, 2008 about extending the program until September 30, 2008 with the understanding that any new contract would have a 30-day notice of termination clause. AGAT rejected the offer.

On September 1, 2008 Focus took over the operations of the PAMZ Program. Lenin Flores is the lead Focus technician for the PAMZ program. Focus is currently operating under a letter of intent. A contract should be finalized in October.

To date, Kevin has received the July 2008 PAMZ Reports from AGAT and submitted them to AENV. Equipment removed from PAMZ stations by AGAT has been returned although Kevin is trying to track down Red Deer Station's original ozone analyzer that was upgraded in late 2007. AGAT returned the keys to the PAMZ and AENV Stations and Kevin had Focus purchase new locks for the portables.

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The following items are still required from AGAT:

- Shrink-wrapped equipment on RSLs Pallet
- August PAMZ reports
- June-August PAML-2 Reports
- Revised Nov-July Swan Lake Reports & August Report
- Casa Data Warehouse Submissions for Martha & Raven July 07 – August 08
- Processing of 1 & 5 minute data Nov 07 – Aug 08
- Raw & Processed data Archive Nov 07 – Aug 08

On September 25, 2008 Kevin, Kelly Baragar of Focus and Shane Adam of AGAT removed AGAT's ICIS data acquisition systems from PAMZ's 4 stations. As of today, PAMZ still has the following AGAT property at its stations or at Focus's shop:

- 25 gas cylinders at stations
- NO2 monitor at Raven (RMH)
- O3 Monitor (R&R Rental) at Martha (Bighorn)
- An ICIS & Digital Modem at Swan Lake Station

On September 5, 2008 AENV granted PAMZ an extension for the resolution of data issues identified by the audit and a requirement that all equipment issues in the network be resolved in the field by September 30. AENV indicated in its letter that PAMZ needs to hire a third party to conduct a review of the AENV audit, AGAT calibrations, PAMZ data collected prior to and after the audit and make recommendations as to how the data should be treated. The deadline for this action is October 31.

Kevin has attempted to hire Aurora consulting to conduct the audit review however AGAT has informed Aurora that AGAT will not allow them access to the data.

Action Item: Kevin will notify AENV of AGAT's refusal to allow third party access to PAMZ's data.

7. 2009 Martha and Raven Portables Monitoring Location

The 2009 Martha monitoring location recommendations from the PAMZ Issues Response Group were reviewed and the possible locations for the Raven station were discussed. The following draft 2009 schedules for the PAMZ Portable stations was agreed upon by consensus.

Martha

Jan-09 School Bus Idling
Feb-09 Highway 2 & 12
Mar-09 James River
Apr-09 Bighorn
May-09 Cheddarville
Jun-09 Highway 2 & 12
Jul-09 Harmattan
Aug-09 James River
Sep-09 Bighorn
Oct-09 School Bus Idling
Nov-09 Cheddarville
Dec-09 Harmattan

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Raven

Jan-09 Gilby
Feb-09 Gilby
Mar-09 Gilby
Apr-09 Bentley
May-09 Bentley
Jun-09 Bentley
Jul-09 Crossfield
Aug-09 Crossfield
Sep-09 Crossfield
Oct-09 Beiseker
Nov-09 Beiseker
Dec-09 Beiseker

Action: Shane will table the TWG recommendations for the Martha Portable at the November 19 Board meeting.

Comment [SL1]: I'm away on November 19th, so this will likely be either Kevin or Brian.

8. 2009 PAMZ Preliminary Budget Discussion

Kevin presented the projected 2008 year-end expenses total that includes the costs associated with the turnover of the program to Focus, and PAMZ's legal bills. The final balance is contingent upon the possible reimbursement of legal expenses. PAMZ currently has \$231,000 in its capital expenses fund and \$140,000 in its human health program fund.

Kevin presented a preliminary estimate of operating expenses for 2009 that account for increased contract costs for the PAMZ program and the deferment of some 2008 program costs into the first quarter of 2009. The operating budget for the PAMZ program will be approximately 20% over the 2008 budget.

Action: Kevin, Shane and Shelise will finalize a draft 2009 Operating Budget for discussion at the next PAMZ TWG Meeting.

9.0 PAMZ AQM Program Update

9.1 Caroline

- Lightning strike Aug 25, station will be below 90% for August and September. WS/WD, Met Translator, TRS, NO2 and O3 analyzers damaged as well as AGAT's ICIS and Shell's DAS.
- Rental Analyzers from R&R currently in place, preliminary testing on the API 200A NO₂ analyzer indicates a failed DACS board. The 400A O₃ analyzer appears to have CPU failure issues. The 100A SO₂ analyzer has not yet been diagnosed.
- Rental WS/WD installed, New Met One Wind System and Translator just arrived to replace damaged unit. New unit to be installed after all other calibrations and issues completed.
- The land line to the site still needs to be tested by Telus.
- Station currently polled using a Raven X cellular modem owned by Focus. As this is a testing phase, there are no charges for this modem.
- BAM tape has been received and the analyzer restored to operational status. AGAT had not left any consumables at site – Focus's shipment delayed at customs.

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- September calibrations completed.
- All levels within historical normals with no exceedences

9.2 Red Deer Riverside

- September calibrations completed.
- Station being polled with existing land line modem.
- CASA Data Warehouse needs to configure Telus Geomatics Site to accept the AQI calculation
- All levels within historical normals with no exceedences
- Warren asked for an update on the status of the precipitation sampling program. Gary indicated that the program is functioning normally.

9.3 Martha – Big Horn

- Calibrations will be completed prior to move October 1 to Betchton Site.
- Station is being polled by Raven X modem
- A portion of the Upper North Sask controlled burn (eastern edge) was conducted Sep 18, 19 and 20. There were elevated levels of PM2.5 observed in the 20 ug/m3 range with the highest level being around 40 ug when fire was first lit on the 18th.
- All other levels within historical background normals with no exceedences

9.4 Raven – Rocky Mountain House

- Calibrations will be completed prior to move to Morningside October 6.
- Waiting for PAMZ Raven X Modem station not being polled
- The THC analyzer was received from CD Nova but it did not work properly and has been returned for repair. The zero air system needs to be rebuilt as it was disassembled by AGAT and there are pieces missing.
- AGAT NOx Analyzer still in place. The PAMZ NOx analyzer was tested; apparent problem seems to be a weak pump at this time. Further testing will be performed; if operational checks appear OK analyzer will be re-installed ASAP.
- BAM tape has been received and the analyzer restored to operational status.
- Levels have been within historical background normals with no exceedences

9.5 Passive Program

- All results through summer have been within historical normals and displayed typical seasonal trends.

10.0 Special Projects

10.1 PAML2 – Red Willow

Focus visited this week, confirmed that all parameters working and retrieved data manually. Kevin has not had opportunity to review any data from station as it was not provided by AGAT

10.2 Swan Lake Station & Husky Passives

- Omron was operational as of Sep 3rd – all analyzers were rewired to operate off the Omron.
- Communications to be established from a Raven X from this station that will be supplied by Husky. Gary provided the info to Husky and their communications contractor. AGAT's ICIS and modem still being used for Husky real time access to data at this time.
- All SO₂ passive results through summer have been within historical normals and displayed

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typical seasonal trends.

10.3 Sundre Forest Products

- There were no results for 5 PM2.5 samples collected in July and August. Focus found the Hi-Vol motor dead on arrival on Sep 8.
- There was no data on Partisol and AGAT had removed all samples from the Partisol at end of August so September 2 sample was not collected.
- Focus has installed a new motor and timer on the Hi-Vol and have replaced the PAMZ Partisol with one of their own as there were problems with filter exchange mechanism.
- Kevin is optimistic that there will be enough data for SFP to discontinue program by end of November.

10.4 Mercury Deposition Sampling Program

- CGS is currently using Gary Eitzen to collect samples and both Focus and Kevin has been unable to contact Hamed to arrange for a transfer of responsibilities for the program

11. Ozone Management Plan

At a July 9 meeting with AENV the plan deadline was clarified to be Dec 31, 2008. The ozone management committee is meeting this afternoon. Little progress was made on development of a plan over the summer. The additional episodes report from Kevin McCullum was received Aug 11. The final Kevin McCullum bigger report & Emissions inventory were received Sep 5. Erin Evans will present her final report today. Kevin attended CRAZ ozone plan workshop in Calgary Sep 17. The PAMZ Plan still needs to be drafted and a workshop held in October-Nov.

12. Other Business

There was not sufficient time to discuss the Alberta Environment and Airshed Monitoring Roles and Responsibilities Document.

Action: TWG members are asked to review the document and provide comments to Kevin via e-mail. Kevin will assimilate the comments and provide a draft summary to members before sending to AENV prior to October 17 deadline.

13. Upcoming Events

Clean Air Strategy Public Meeting, Kerry Wood Nature Centre, October 8, 2008 7:00-9:30 PM.

14. Next Meeting

The next meeting will be **Friday, October 31, 2008** from 0900 -1200 hrs at the ERCB Boardroom, Red Deer.

15. Adjournment

The meeting was adjourned at 12:15

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