

**Peace River Area Monitoring Program (PRAMP) Committee
Board of Directors' Meeting (information only)
December 1, 2021
Video Conference**

Meeting Notes

Attendees:

Name	Sector Group	Organization	Participation
Doug Dallyn, <i>Co-Chair</i>	Public	Community	Director
Shelly Shannon, <i>Treasurer</i>	Public	Community	Director
Carolyn Lewis	Industry	Baytex Energy	Director (alt)
Amanda Peardon, <i>Co-Chair</i>	Industry	Baytex Energy	Director
Krista Park	Gov	AHS	Director
Andy Trudeau	Gov	MD of Smoky River	Director
Elvis Thomas	Gov	Woodland Cree	Director
Garrett Tomlinson, <i>Co-Chair</i>	Gov	Metis Nation, Region 6	Director
Brian Allen	Gov	Town of Grimshaw	Director
Jason Javos	Gov	Northern Sunrise County	Director
Long Fu	Gov	Alberta Environment and Parks	Guest
Laurie Cheperdak	Gov	Alberta Health	Guest
Ruqayah Abimbola	Gov	AHS (public health inspector training with Krista)	Guest
Madhan Selvaraj	Gov	Alberta Environment and Parks	Guest
Karla Reesor		Executive Director	
Mike Bisaga		Technical Program Manager	
Lily Lin		Technical Program Manager	
Brenda Barber		Office Manager	
Eileen Cristine		Outreach Coordinator	
Dwayne Stepaniuk		Field Operations Assistant	

Regrets:

Name	Sector Group	Organization	Participation
Kevin Kemball	Public	NAIT Centre for Boreal Research	Director
Kenda Friesen	Industry	Obsidian Energy	Director
Matt Flett	Industry	CNUL	Director
Barb Johnson	Gov	MD of Peace	Member
Blair Fortin	Industry	Tervita Corporation	Member
Stephen Hughes	Industry	Island Oil and Gas	Member
Mike Brown	Gov	AER	Guest

These notes are provided as a summary of discussions of the PRAMP Committee. The views and ideas noted do not necessarily reflect the perspective of each Committee member. Decisions are taken by consensus.

1.2 Agenda

Motion to approve the agenda by Brian Allen. Carried.

1.3 Meeting Notes

Motion to approve September 15, 2021 Minutes by Jason Javos. Carried.

1.4 Alberta Health Multiple Chemical Sensitivity Report

- Laurie Cheperdak provided a short summary of the Multiple Chemical Sensitivity Report. The link to the report is publicly available and was shared with the Committee prior to the meeting.

2. Monitoring and Reporting

Goal:

1. *Evidence-driven verification that air quality in the Peace River area is at acceptable levels and that emissions are being minimized.*

2.1 PRAMP DATA Reports

The August and September Dashboard Reports were posted to the Members' Portal prior to the meeting

986

- August
 - TRS analyzer showed a significant drift in the span check response on August 18. An as-found points check that was completed on August 18 showed a similar response. A repeat calibration was completed on August 19 to correct the drift. Six hours of downtime were recorded due to additional quality checks.
 - The analyzer failed on August 27 due to firmware issues. The analyzer was reset remotely following a successful repeat zero-span check on August 28. Twenty hours of downtime were recorded due to this event.
- September
 - A repeat TRS analyzer multi-point calibration was completed on September 10 as a quality assurance check after the analyzer exhibited slow response during the September 8 calibration. The calibration check met all check requirements. Six hours of downtime were recorded due to this additional quality check.

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- August - No operational issues.
- September
 - No data were recorded on September 24 between hour 3 and hour 10 due to a datalogger issue. Eight hours of data were lost due to this event. The daily zero-span check was interrupted due to this event as well.
 - The THC/CH4/NMHC analyzer failed on September 10 due to a problem with the hydrogen generator. The issue was corrected and a successful zero-span check was completed on September 10 hour 14. Thirteen hours of downtime were recorded due to this event.

Reno

- August - No operational issues
- Noted elevated concentrations of TRS; more common in the summer months

AQHI (Cadotte Lake)

- August

- One 24-hr PM2.5 AAAQO was exceeded on August 3. The 24-hour average was 30.1µg/m3 (AAAQO is 29µg/m3). The elevated PM2.5 concentrations were due to BC wildfires. Reference #381043.
- TRS analyzer failed the daily zero-span check on August 14 due to a convertor failure. On August 17, the convertor was replaced. A successful post-repair calibration was completed afterwards. Data were invalidated back to the last valid zero-span check, which was August 13 hour 9. One hundred hours of data were invalidated due to this issue. The analyzer failed on August 20, 21 and 28 due to firmware issues. The analyzer was reset remotely each time following a repeat zero-span check to confirm the analyzer's functionality. Nine hours of downtime were recorded due to these events. TRS did not meet the 90% AMD uptime requirement (85.3%). AEP reference #: 382077.
- PM2.5 unit failed on August 11 due to firmware issues. The equipment was reset remotely, and valid data collection resumed on August 12 hour 7. Ten hours of downtime were recorded due to this event
- September
 - Two power outages occurred this month. Eight to Twelve hours of downtime were recorded as a result.
 - The PM unit failed on September 28 due to firmware issues. The equipment was reset remotely, and valid data collection resumed on September 28 hour 7. Five hours of downtime were recorded due to this event

Review canister results

- August
 - Elevated NMHC was recorded between August 1 and 5 across the region due to BC wildfires. Two NMHC canister events were recorded at the 986c station as a result.
- No canister event in September

AQHI Portable Trailer

- The AQHI trailer has been moved from Cadotte Lake to Grimshaw. We expect the equipment to be online next week.
- AQHI station relocation notification was submitted through ETS to AEP prior to the trailer relocation.
- Bureau Veritas has experienced a cyber attack. We will be reviewing our data security and will consult with a 3rd party contractor to assess PRAMP's security system and to provide recommendations if improvement is required.

2.2 Other Technical Updates

- Reno options include: move the Reno station or revisit the option of doing upgrade work at the current site.
- We would like to reconsider the Reno Station decision in January.
- The TWG indicated a preference to wait until after the network assessment, but we will not be able to carry forward the budgeted amount to 2022/23.

Motion to direct administration to bring a detailed report and recommendations to the board for the Reno station by Krista Park. Carried.

2.3 Network Assessment

- Proposed project plan for the Network Assessment was posted to the portal prior to the meeting.
- Purpose is to optimize air monitoring network to achieve the best possible outcomes
 - Re-evaluation of objectives
 - Emerging issues
 - Evaluate network effectiveness and efficiency
 - Develop recommendations
- Steps in conducting a Network Assessment
 - Update regional description
 - Update network history
 - Perform statistical analyses of available monitoring data
 - Perform situational analyses.
 - Suggest changes to network
 - Acquire stakeholder input and revise recommendations
- Primary Objectives
 - Provide high quality data to allow for assessment of data trends and spatial distribution of contaminants of concern.
 - Provide data used for community monitoring needs
 - Provide data for cumulative effects assessment
- Secondary Objectives
 - Reporting requirements for air quality management obligations
 - Modeling and remote sensing
 - Regulatory compliance
 - Understand transboundary transport of contaminants.
 - Provide information to distinguish sources of pollutants.
- Emerging Issues
 - Tier One – regional air quality improvements
 - Tier Two – Integrate CNUL compliance monitoring and Mercer PR pulp mill air monitoring stations
 - Tier Three – Consideration of monitoring deficient areas adjacent to PRAMP. Review new technologies including micro-sensors.
- Deliverables
 - Ranked recommendation for optimization of monitoring program
 - How to address emerging monitoring issues
 - Summary of other aspects and observations
- Project Administration
 - Project of the TWG; input and guidance
 - Input from external organizations as needed
 - Staff will act as project managers
- Proposed timeline
 - Approval by Board
 - Development of Request for Proposal; approved by TWG
 - RFP sent at the beginning of the new year

Motion to accept the outline and scope for the Network Assessment by Shelly Shannon; Elvis Thomas. Carried.

2.4 CAAQS

- Emissions of air pollutants have decreased significantly over a number of years.
- Poor AQ remains an issue in some parts of Canada (heavily populated or industry)
- Canadian ministers of environment agreement to implement Air Quality Management System (AQMS)
- Canadian Ambient Air Quality Standards are being developed as a key element of the AQMS
- There is a significant lowering of the objectives between 2020 and 2025; Nitrogen Dioxide (NO₂) become at least 50% more stringent.

3. Education and Outreach

Goals:

2. *Residents and stakeholders have timely access to air quality data and information in a manner that is readily understood*
 3. *Educators, community groups and citizens can access resources to increase understanding of and promote healthy air quality*
- Developing gift bags for educators in the area to promote available resources and to thank them for their work during the pandemic
 - Started a new workshop in paper making
 - 2022 5th Year Anniversary calendars are being distributed
 - We will be promoting the Grimshaw location for the AQHI station
 - Promoting the AQHI lamp at the Peace River hospital

4. Governance

Goal:

4. *Recognized as an independent not-for-profit organization and Airshed that is focused on continuous improvement and responsible leadership in air quality monitoring*

4.1 Monthly Financial Report

Motion to approve the financial reports for September and October by Andy Trudeau/Krista Park. Carried.

4.2 Budget Review

- Staff have been reviewing the 2021/22 budget and forecasting for the 2022/23 budget, which will be the last year of our four year contract.
- We are currently showing that we will have funds available at the end of the 2022 contract to pay for the Network Assessment and moving the Reno Station.
- The budget approved by the Oil Sands Monitoring Program may change and be reduced, as it has in previous years. Funds cannot be carried over from 2022 to 2023. We will watch our budget closely and plan accordingly.

Motion to approve the 2022/23 budget as presented by Elvis Thomas/Doug Dallyn. Carried.

4.3 PRAMP Operating Plan

- Operating Plan was provided on the Members’ Portal. The plan was originally provided to the Board in July.
- The plan has been updated to the end of October.

Motion to approve the operating plan for information by Brian Allen. Carried.

5. New Business

Next Meeting – we will doodle for the January 2022 meeting; a doodle will be sent for the middle of the month.

6. Adjournment

Motion to adjourn meeting at 2:42 pm by Krista Park.

Action Item Number	Action Item Description	Status
New Action Items		
Ongoing Action Items		
2020-11-01	Recommend the map is made a schedule to Policy 1.0 Background (Brenda)	
2018-11-02	Mike and Lily will develop a policy on QA/QC for data management and reporting.	
Completed Action Items		
2021-09-01	Board will provide comments on the Annual Data Review to Mike Bisaga by September 22, 2021	