



**Peace River Area Monitoring Program (PRAMP) Committee
Board of Directors' Meeting
May 8th, 2024
1:00 pm – 3:00 pm
Virtual Meeting**

Meeting Notes

Attendees:

Name	Sector Group	Organization	Participation
Doug Dallyn, <i>Co-Chair</i>	Public	Community	Director
Art Laurin	Industry	Obsidian Energy	Director
Krista Park	Gov	Alberta Health Services	Director
Colleen Sklapsky	Gov	Town of Grimshaw	Director
Kevin Kemball	Public	NAIT Centre for Boreal Research	Director
Elvis Thomas	Public	Woodland Cree	Director
Shelly Shannon, <i>Treasurer</i>	Public	Community	Director
Kirstie Tooke	Industry	Baytex Energy	Alt-Director
Amanda Peardon, <i>Co-Chair</i>	Industry	Baytex Energy	Director
Mike Brown	Gov	AER	Guest
Long Fu	Gov	Alberta Environment and Protected Areas	Guest
Madhan Selvaraj	Gov	Alberta Environment and Protected Areas	Guest
Karla Reesor		Executive Director	
Mike Bisaga		Technical Program Manager	
Lily Lin		Technical Program Manager	
Jordan Peterson		For Brenda Barber	
Eileen Coristine		Outreach Coordinator	

Regrets:

Name	Sector Group	Organization	Participation
Garrett Tomlinson, <i>Co-Chair</i>	Gov	Metis Nation of Alberta	Director
Andy Trudeau	Gov	MD of Smoky River	Director
Arlen Hogg	Industry	CNRL	Director
Sarah Stockley	Public	Community	Director
Jess Bellis	Industry	Headwaters Exploration	Member
Laurie Cheperdak	Gov	Alberta Health	Guest
Carolyn Pfau	Gov	AER	Guest
Jason Javos	Gov	Northern Sunrise County	Director
Brenda Barber		Office Manager	
James McCallum		Field Technician	

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

Quorum was not met at start of meeting. Agenda adjusted, moving 2.1 Technical Update to start Motion to approve amended agenda by Krista Park. No blocks.

1.3 Meeting Notes

Motion to approve the February 28, 2024 Meeting Minutes by Shelly Shannon. No blocks.

2.0 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 Dashboard Reports have been posted to the website. <https://prampairshed.ca/air-monitoring/monitoring-reports/>

Extreme cold temperatures affect the total reduced sulphur and hydrogen sulfite daily check results. When temperatures are low and air is dry, the scrubber material does not work efficiently. After temperatures improved, all analyzers were checked, and all met requirements.

January 2024

- 986C Station
 - Hydrocarbon channels did not meet 90% uptime requirement.
 - 66 hours of downtime was recorded due to bad injections caused by temperatures.
 - HVAC was repaired in March, so we no longer have this issue
- 842B Station
 - All parameters met the 90% operational uptime requirement, except TRS
 - TRS Analyzer failed the January 17th shut-down calibration check
 - S02 scrubber material was replaced
 - 175 of downtime hours were recorded
 - To avoid future recurrence, calibration/adjustment cannot be done in very cold weather.
- Reno B Station
 - Hydrocarbon channels did not meet 90% uptime
 - Clear point of failure could not be identified in January, so data was discarded back to last valid calibration check
 - 539 hours of downtime recorded
- PRC Station
 - No major operational issues
 - All parameters met the 90% operational uptime requirement
- AQHI Grimshaw
 - All parameters met the 90% operational uptime requirement.
 - Two 24-hour PM2.5 exceedances were recorded
 - Winter conditions and temperatures likely led to buildup of particulate matter from home heating and vehicle exhaust in town of Grimshaw
- Canister Sampling Program
 - One canister event was recorded in January. The canister system was triggered at the Reno-B station on January 14

February 2024

- 986C Station
 - Low temp affected S02 scrubber material – which affected TRS & H2 results but Our data remained valid
- 842B Station
 - No major operational issues

- All parameters met the 90% operational uptime requirement
- RenoB Station
 - Hydrocarbon analyzer failed Feb calibration check. After maintenance performed the hydrogen generators, the analyzer did not have time to stabilize but Tech started adjusting the analyzer. When analyzer stabilized, the adjustments were invalid, and we were unaware until Tech returned to calibrate a month later. Data between January & February calibrations were discarded.
 - Extra time will be given to analyzer to stabilize after Hydrocarbon calibration. We will see about 20 hours of downtime for this maintenance, but this is needed in order to maintain quality of data.
 - 345 hours of downtime recorded.
- PRC Station
 - No major operational issues
 - All parameters met the 90% operational uptime requirement
- AQHI Grimshaw
 - No major operational issues
 - All parameters met the 90% operational uptime requirement
- Canister Sampling Program
 - No canister events recorded in February

March 2024

- 986C Station
 - Hydrocarbon analyzer was replaced
 - All parameters met the 90% operational uptime requirement
- 842B Station, Reno B Station, PRC Station
 - No major operational issues
 - All parameters met the 90% operational uptime requirement
- AQHI Grimshaw
 - Elevated readings were recorded on a few occasions in March – likely due to school buses parked near site - but data considered valid
 - All parameters met the 90% operational uptime requirement
- Canister Sampling Program
 - No canister events recorded in March

Purple Air Sensors

- Deployed 3 new PurpleAir sensor at schools in partnership with the Holy Family Catholic Regional Division:
 - Holy Family in Grimshaw
 - Rosary in Manning
 - Good Shepherd in Peace River
- Updating Purple Air map on website
- Developing new 'static' map showing location of all monitoring assets.
- Potential integration of sensor linked AQHI lanterns.
- Looking into more schools, Indigenous communities, and population centres for host sites.
- Evaluating indoor sensors. Improve our collective understanding of the functionality of the sensors in indoor settings, potential correlations between data from indoor and outdoor sensors and baselines for typical levels of particulate matter in public indoor spaces.

Looking ahead – Technical

- QAP audit follow-up. Will develop a work plan and work with consultant to address items.
- Annual data review timetable will be reviewed with the Technical Working Group.

Motion to accept Technical Update for information by Art Laurin. No blocks.

2.2 Technical Working Group

- TWG Meeting (early June). Will discuss Terms of Reference, NAIT Energy Audit Findings, CNRL Passives and Portable – AQHI Station relocation discussion.
- Doodle Poll for next TWG: <https://doodle.com/meeting/participate/id/ax77w89e/vote>

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*

3.1 Outreach Update

- New healthy lung image for PRAMP materials to share at events. Also shared with AAC for use across Alberta.
- New pop-up display with graphics and AQHI information.
- PRAMP attended 2 tradeshow last month: Peace River and Grimshaw.
- Visited communities in April: Duncan's First Nation, Little Buffalo First Nation, Woodland Cree First Nation, Manning and Red Earth Creek.
- School partnerships: PRAMP has signed an MOU with Holy Family Catholic Regional Division to have PurpleAir Sensors in 3 of their schools that are within or near PRAMP. We have reached out to Peace River School Division to see if there is interest in PurpleAirs.
- New outreach materials are available on the PRAMP website.
- Karla noted that PRAMP is happy to present at Municipal or other offices to give orientation on how to access and use data from PurpleAir sensors.

Motion to accept Outreach Update for information by Colleen Sklapsky. No blocks.

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

The financial reports are now located on the web portal.

- Within budget at end of year - underspent by about \$70,000 (this amount does stay within our 4-year budget envelope.)

- Estimated on high end for passive budget, so currently under spent but this could change depending on passive network and any changes that Canadian Natural wants to make around that.
- Full budget for 2024-2025 has been approved by Oil Sands Monitoring Program.
- Installment from Outreach grant is expected to arrive within next couple of weeks.

Motion to approve the financial reports for information for February and March (year end report) by Krista Parks. No blocks.

4.2 Operating Plan 2024-2027

- Karla shared updated Operating Plan with Board.
- Focusing on implementation from network assessment.
- Still considering integrating Mercer air monitoring stations within the PRAMP Network and continuing conversations with Mercer but would like to focus on assessing options for AQHI monitoring in Town of Peace River.
- Outreach – more focus on deploying PurpleAir sensors.

Motion to accept Operating Plan for information by Colleen Sklapsky. No blocks.

5 New Business

5.1 AQHI Lantern Sponsorship

- There are currently 4 AQHI lanterns in the region and 6 more ready to set up in new locations.
- Criteria for hosting include reliable power and wifi, visible to public, ideally set back where they can't be handled.
- Sponsorship would be a potential small revenue stream for PRAMP and enhancing the program.
- Small tabletop AQHI lamps cost around \$400 and in some cases \$100 to amp up wifi.
- Maintenance is generally trouble free. Occasionally lightbulb needs changing and wifi password updated.
- Benefits for sponsor include providing a sign, visible support for air quality and health awareness, sponsor can request location of lantern, sponsor name on website and shared on social media.
- Sponsorship cost:
 - **Option 1:** \$500 per year for 1 lantern - \$2000 per year for 5 lanterns
 - **Option 2:** \$750 per year for 1 lantern - \$2000 per year for 3 lanterns
 - Suggestion for different yearly pricing: \$750 for first year and if it's maintained, sponsorship cost goes down to \$500 to maintain.
 - Consider adding a base underneath the lantern with sponsor name and PRAMP logo.
 - Adding a QR code could drive traffic to PRAMP website.
 - PRAMP website would include lantern info, sponsor names, and sign up for those interested in hosting a lamp.
- PRAMP staff will bring this back to board in June with more info on PurpleAir sensors connecting to Lantern

Motion to support sponsorship and return plan to board with additional funding models as well as information on connecting to PurpleAir sensors by Colleen Sklapsky. No blocks.

6. Wrap up

6.1 Next Meetings

Brenda & Karla will confirm AGM details by email (AGM currently scheduled for June 26th), as well as next in-person meeting in the fall.

6.2 Round Table

Colleen – thanks to PRAMP for attending the hiring expo and tradeshow.

Elvis – Have seen a positive response to AQHI lantern in the community.

7. Adjournment

Motion to adjourn the meeting at 2:31 by Elvis Thomas.

Action Item Number	Action Item Description	Status
New Action Items		
2024-05-08	Mike to share Canister updates by email	
Ongoing Action Items		