



Peace River Area Monitoring Program (PRAMP) Committee
Board of Directors' Meeting
January 20, 2022
1pm to 3pm
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 |
| Amanda Peardon, <i>Co-Chair</i> | Industry | Baytex Energy | Director |
| Carolyn Lewis | Industry | Baytex Energy | Director (alt) |
| Jason Javos | Gov | Northern Sunrise County | Director |
| Kevin Kemball | Public | NAIT Centre for Boreal Research | Director |
| Art Laurin | Industry | Obsidian Energy | Director |
| Krista Park | Gov | AHS | Director |
| Andy Trudeau | Gov | MD of Smoky River | Director |
| Barb Johnson | Gov | MD of Peace | Member |
| Mike Brown | Gov | AER | Guest |
| Long Fu | Gov | Alberta Environment and Parks | Guest |
| Laurie Cheperdak | Gov | Alberta Health | 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 Coristine | | Outreach Coordinator | |
| Dwayne Stepaniuk | | Field Operations Assistant | |

Regrets:

| Name | Sector Group | Organization | Participation |
|------------------------------------|--------------|------------------------|---------------|
| Kenda Friesen | Industry | Obsidian Energy | Director |
| Matt Flett | Industry | CNUL | Director |
| Blair Fortin | Industry | Tervita Corporation | Member |
| Stephen Hughes | Industry | Island Oil and Gas | Member |
| 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 |

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.

Update from the Executive Director - PRAMP has received a signed copy of the operating agreement from CNUL for PRAMP to assume operations of the continuous and passive monitoring at the Peace River Complex. We will work toward a start date of March 1, 2022.

1.2 Agenda

Motion to approve the agenda as amended, to have the Data updates before any decision items by Krista Park. Carried.

1.3 Meeting Notes

Motion to approve December 1, 2021 Meeting Notes by Jason Javos. Carried.

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 Dashboard Reports were posted to the Members' Portal prior to the meeting

All Stations

No major issues were identified for all stations in October

No major issues were identified for all stations in November

In December, low ambient temperatures, particularly in the latter half of the month, had a marked effect on TRS span results. This is a perennial problem when the moisture levels in sample air drop very low, causing TRS analyzer to respond more slowly due to the SO₂ scrubber requiring a certain humidity to function correctly. Although daily span check results are often below the requirements, and the daily zero check results occasionally close to or in excess of the allowable drift range (while low temperatures are occurring), experience indicates the analyzer's performance remains in compliance with AMD performance criteria, and collected data remain valid.

986

- October 2021
 - THC/CH₄/NMHC: A new span gas cylinder was installed on October 14. An additional zero-span check was completed afterwards to obtain a new expected span value. One hour of downtime was recorded due to this additional quality check.
- November 2021
 - SO₂: The permeation tube was replaced on November 4. One hour of downtime was recorded as a result. The expected span value was updated after the monthly calibration.
- December 2021
 - THC/CH₄/NMHC: The analyzer failed due to repeat flame outs on December 8 hour 0. Troubleshooting was completed and a successful post-repair calibration was completed on December 8. Eight hours of downtime were recorded due to this event.

842

- October 2021
 - SO₂/TRS: Both analyzers failed the daily zero-span check on October 6. An additional zero-span check was completed on October 7. The check results were within the acceptable limits. Both analyzers also passed the monthly calibration

- requirements on October 7. No issues were identified during the calibration checks. One hour of downtime was recorded due this event.
- SO₂: The analyzer failed the daily span check, starting October 21, due to the permeation tube depletion. A successful as-found points check was completed on October 21 to confirm the analyzer's functionality. The permeation tube was replaced on November 1. One hour of downtime was recorded due to the additional quality check.
 - November 2021
 - THC/CH₄/NMHC: Isolated or occasional bad injections were recorded starting November 13, and methane concentrations also trended lower, starting November 18. A successful shut-down calibration was completed before troubleshooting on November 25. No significant problems were found. The N₂ gas cylinder was replaced to fix the injection issue. The cause for the low recorded methane concentrations was likely because the analyzer required extra time to stabilize after the desiccant was replaced. Seven hours of downtime were recorded due to this event.
 - December 2021
 - THC/CH₄/NMHC: The analyzer failed due to low carrier (N₂) supply pressure on December 16 hour 8. The gas pressure was adjusted by PRAMP field operational assistant, and a successful repeat zero-span check was completed at hour 13. Six hours of downtime were recorded due to this event

Reno

- October 2021
 - All parameters: The daily zero-span check was interrupted on October 4 due to a power outage. A repeat zero-span check was completed on October 4. One hour of downtime was recorded.
- November 2021
 - TRS: The analyzer failed both scheduled and repeat span check on November 17. An as-found points check was completed on November 19. The analyzer passed the check requirements. The analyzer again failed the daily span check on November 23 and November 29, and the repeat span check on November 24. Maintenance was performed on the analyzer on December 2 to correct the drift. Because the analyzer passed the multi-point calibration on December 2, data collected between November 17 and November 29 was considered valid. Four hours of downtime were recorded due to additional quality checks.
- December 2021 – no operational issues to report

AQHI Portable (Cadotte Lake)

- October 2021
 - All parameters: One power outage occurred on October 2. Five to six hours of downtime were recorded as a result. For the THC/CH₄/NMHC channels, hourly data collected on October 2 hour 20 was also discarded as the analyzer took extra time to recover from the power outage.
 - TRS: The analyzer failed due to a firmware issue on October 2 and October 19. Eight hours of data were lost as a result.

- O3: An attempt to replace the analyzer to address the daily zero drift issue occurred on October 20. Due to datalogger configuration issues, the replacement could not be installed. Two hours of downtime were recorded due to this event.
- November 2021
 - All parameters did not meet the 90% operational uptime requirement. The monitoring program at this location was completed on November 23.
 - TRS: The analyzer failed due to a firmware issue on November 6. The issue was fixed on November 7. A repeat zero-span check was completed to confirm the analyzer's functionality. Eleven hours of downtime were recorded as a result.
 - PM2.5: The PM unit failed due to a firmware issue on November 13. The issue was fixed on November 14. Twenty-five hours of downtime were recorded as a result

AQHI Portable (Grimshaw)

- December 2021
 - The station was moved from Cadotte Lake to the town of Grimshaw on November 24. All equipment were allowed time to stabilize. The station was back online on December 1.
 - All parameters: Due to a datalogger error, no data was collected between December 20 hour 13 and December 21 hour 13. Twenty-five hours of downtime were recorded.
 - PM2.5: Abnormal data was identified during the December 28 data review. The PM unit was reset on December 28 hour 7. Subsequent data review suggests data to be invalidated back to the time the datalogger reset, which was December 21 One hundred sixty-two hours of downtime were recorded due to this event.

Review canister results

- No events for October or November
- One canister triggered at 986 on December 18
- In 2021, 6 non-methane canisters were triggered at 986, 2 at 842 and 1 at Reno

2.2 Other Technical Updates

- AQHI Station in Grimshaw – station has been moved to the Town of Grimshaw; data streaming on the PRAMP website will be available shortly. AQHI is being provided on the AQHI app, Alberta Environment and Parks website and weather apps.
- QA/QC Procedure for Data Management was developed in June 2020. The ongoing action item is complete.
- Mercer Station audit was completed on December 9, 2021. BV conducted the audit and noted the stations were in good condition and the analyzers were in good order. Some minor opportunities for improvement.
- Network Assessment – RFP was issued on January 11, closes on January 24th. Staff will do the initial review of proposals and then share the results with the TWG for a recommendation to provide to the Board.
- Cyber Attack – one of our suppliers had a substantial cyber attack in December. We had a cyber security audit done of our systems. Three priority areas were identified and staff are acting on the recommendations.

2.3 Reno Station Relocation

- Staff provided a historical context on why we are putting forward the decision to move the Reno Station.
- 2019: both the Reno and 986 stations did not meet the siting requirements of the AMD. The 986 station was moved to a more suitable location in August 2019.
- 2020: staff conducted a search for a new location/host for the Reno station. A site was located and proposed to the Board for approval. In fall, 2020 Board did not reach consensus for the location.
- 2021: PRAMP staff resumed search for a suitable location. In spring a site was identified and approved by the Board. In the summer, staff developed a site plan. In the fall, we found out the cost estimate would be substantially higher for the costs of the driveway and electrical.
- The network assessment may provide some recommendations on siting.
- Baytex has confirmed they would prefer to have the station relocated to provide a better representation of the air quality in the area, not a fence-line monitor.
- Two options before the Board; leave the station on the current site until the network assessment is complete – the station would continue to be out of compliance. The second option is to move the Reno station now. We do have the funds in our budget for 2022 to move the station, there may not be funds available in 2023. If the station is moved, the network assessment contractor would be informed and any further changes for the Reno station location coming out of the network assessment would be lower priority for implementation.
- Question on the cost of the project. A description of costs for the overall project were discussed.
- Question on the compliance of the current site. The site does not meet the Air Monitoring Directive as the trees are too tall. While we could install a taller tower there would be a substantial cost.
- Our plan was to have a co-deployment with the current and new location, but due to time and budget we may not be able to co-deploy.
- Question if we have explored solar or wind power for the station. The ATCO supervisor could be available to assist with other energy sources. We have a short window of time for the Reno station but would like to investigate further for the portable (which will be moving in 2 years). Kevin Kembell may be able to provide some expertise as we move forward. Councillor Trudeau will provide Karla with the contact information for ATCO.
- The comparison of costs to keep the Reno station where it is versus moving it. Estimated the total cost is \$70,000 – 90,000 to stay on the site; the new site estimated cost is \$40,000 – 55,000.

Motion to approve the move of the Reno station to the new proposed site by Andy Trudeau; Second by Amanda Peardon. Carried

Motion to review the option of powering future sites by solar or wind by Andy Trudeau. Carried.

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*
- Working on a tracking document of outreach and engagement for 2021 and on an on-going basis. Highlights from April to December 2021 include:

- Provided Zoom presentations to schools, 80 students have been involved in both vermiculture and paper making.
- We had 6 municipal councils participate in Clean Air Day.
- Postcards and the 2022 calendar are available in Grimshaw.
- We have gained approximately 60 followers on social media (Facebook, Twitter); and we are now also on Instagram.
- We have advertising in Move UP magazine. Daily announcement of the AQHI is on the radio.
- We were only able to do 1 in person event - the Grimshaw Business Street Fair.
- Photo contest for the 5-year anniversary calendar was a success.
- The AQHI lantern is in place at the Peace River Health Centre, along with a sign explaining the AQHI. We appreciate the efforts made by Krista Park to host the lantern.

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 information for December by Shelly Shannon; second by Jason Javos. Carried.

4.2 COVID 19 Vaccination Policy

- We have worked on a policy for contractors, and it is timely as CNRL requires all on-site staff to be vaccinated.
- The policy will not be difficult to update based on changing information.

Motion to accept the Vaccine Policy as provided by Krista Park. Block by Andy Trudeau. Andy believes this a fluid issue and the vaccine should be a personal and private decision and should not be required for PRAMP Contractors.

- For PRAMP to assume operation of the CNRL station, we will be required to have a vaccination policy in line with CNRL policies.
- Most places of employment that are putting policies in place are doing so to keep their employees safe.
- Recommendation from Andy Trudeau that PRAMP indicates it will comply with CNRL's requirements and policies. We would then not have a policy in place for our other stations.
- The option of a negative rapid test could be added to the policy however, it may be difficult to implement. If the option of a negative rapid test is implemented, it should perhaps be required for all contractors whether they are vaccinated or not.
- As we will not receive consensus, we will table this policy.

5. New Business

Next Meeting – Brenda will do a Doodle poll for a meeting in March

5.2 Roundtable

Laurie Cheperdak – in addition to what Mike provided on AQHI, a special air quality advisory can be sent by Environment Canada and Climate Change.

Jason Javos – indicated that ATCO has vaccination polies in place (contractors have to meet or exceed the policies) and if someone doesn’t want to follow the policies then it’s their choice and they make a decision of whether they want to work or not.

Kevin Kemball – agreed with Jason Javos comments on the meet or exceed policies.

Shelly Shannon – agreed with Jason Javos that the language should be meet or exceed the policies of organization where PRAMP is providing services.

Doug Dallyn – looking forward to moving the station and the 2022 budget being invested in that move.

6. Adjournment

Motion to adjourn meeting at 3:11 pm.

| Action Item Number | Action Item Description | Status |
|-------------------------------|---|--------|
| New Action Items | | |
| 2022-01-1 | Karla will review options for a PRAMP policy on vaccines and other health protocols | |
| Ongoing Action Items | | |
| 2020-11-01 | Recommend the map is made a schedule to Policy 1.0 Background (Brenda) | |
| | | |
| Completed Action Items | | |
| 2018-11-02 | Mike and Lily will develop a policy on QA/QC for data management and reporting. | |
| | | |