



Peace River Area Monitoring Program (PRAMP) Committee  
 Technical Working Group Meeting

September 15, 2020  
 Zoom Video Conference

Meeting Notes

Attendees:

Name	Sector Group	Organization	Participation
Doug Dallyn	Public		Director
Anthony Traverse	Industry	Baytex Energy	Director
Matt Flette		CNRL	Director
Corinna Williams	Gov	Northern Sunrise County	Director
Krista Park	Gov	AHS	Director
Amanda Hepp	Gov	AHS	Student
Hanna	GOV	AER	Guest
Madhan Selvaraj	Gov	AEP	Guest
Karla Reesor		Executive Director	
Mike Bisaga		Technical Program Manager	
Lily Lin		Technical Program Manager	
Brenda Barber		Office Manager	
Eileen Coristine		Outreach and Education	

Regrets:

Name	Sector Group	Organization	Participation
Garrett Tomlinson	Gov	Metis Nation, Region 6	Director
Elvis Thomas	Public	Woodland Cree	Director
Blair Fortin	Industry	Trevita	Member

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

**1.1 Approve Agenda**

Agenda approved, no changes

**1.2 Approval of Minutes**

*Minutes were provided prior to the meeting.*

**Motion to approve the December 4, 2019 Minutes by Anthony Traverse. No blocks**

**1.3 Action Items**

- Will not review as they have evolved and will be covered in the meeting

**2 Standing Business**

**2.1 Administration and Planning**

2020/2021 Workplan

- In early August, the workplan for 20/21 was approved which means we can continue with our capital purchase plan to replace the rented equipment.
- There was a very small decrease (approximately \$50K) recognizing that we would have fewer in person meetings so there is a reduction to the travel and hosting costs.
- All the members of the OSM Technical Advisory Committee met last week and were introduced to the schedule for developing workplans for next year.
- We have not received a notice for the Air Technical Advisory Committee, but expect work to start in mid-October.

**2.2 Continuous Monitoring Program**

Dashboard Reports

- Posted the July and August dashboard on the Members Portal

986

- In July we swapped the trailer at 986. It is now owned by PRAMP. There was some downtime due to the swap.
- There was some major downtime on the methane analyzer; Bureau Veritas could not find when the analyzer failed so a large amount of data had to be thrown out.
- The TRS did not meet the 90% update
- In August there was an issue with the HC analyzer did not meet 90% uptime in August

842

- No issues on 842 in July
- One canister collected in August; suspect that the elevated reading was caused by the tech on site. The cause is under review and will not in on a flag of the data.

Reno

- In July at Reno there was an issue with the TRS analyzer. Did not meet the 90% uptime
- Three canister events reported in July; two non-methane, one methane reported at Reno.
- Mike provided a summary of the methane concentration at Reno
- AER has access to the live data as well and reached out to Baytex for an explanation. There was fluid moving and purging of tanks. Canisters were triggered late at night (early morning)
- One canister collected in August.

AQHI

- On AQHI station there was a spike on most of the parameters on July 16<sup>th</sup>; we reviewed the photos from the station and we could see major construction around the station. There is a construction station that is being removed and the land reclaimed.
- In August there was an instrument malfunction – 51 hours of data for TRS and 21 hours of THC were discarded. Did not meet 90% uptime

- The THC analyzer was swapped by Bureau Veritas for repair.

#### Reno Siting

- We see different hydro-carbons at Reno than the other stations due to the proximity to operations.
- There is a siting issue with the current location (tree surround)
- We reached out to a landowner in the area to determine if there is a better siting location; difficult to find one that meets the AMD criteria.
- A potential location has been found 3.5 km south of the current location. There is year round access and easy tie in to existing power. There is a tree line with a newly planted line of tree. Currently the location would meet the AMD, but in 5 or 6 years may be an issue.
- Removing trees at the Reno site would likely cost between \$20,000 - \$30,000. There are also other upgrade costs for the current site, including an upgrade to the power.
- Concern expressed that the new station location is very close to where trucks and equipment would be running.
- **Action item: Mike and Lily will get a quote for the removal of the trees at the current site, and review all other costs; including power and road upgrade the site.** The current site is also provided to PRAMP as a service in kind, as we don't pay rent.
- One of the benefits of moving would be to compare the data with 986 and 842; which we cannot right now.
- Doug thinks the trailer should be moved; Matt concerned about possibly moving again; Krista wants to see the comparison; Corinna concerned about the same concerns already brought up such as the idling and the grain dryer; Hanna also concerned about potential moving; Madhan thinks it make scientific sense. AEP doesn't have a lot of modelling to provide assistance. Anthony agrees that the station should be in line with the prominent wind direction.
- We can do a minimum of site preparation on the new site, monitor for a few months collocated with the Reno station. Once the data review is completed, we would be able to determine if the site should be permanent.
- **Action item: Mike will ask the landowner if it would be possible to site the station across the road.**  
**Motion to have the new station deployed to the new site and run for 4 to 6 months along with the existing Reno Station by Krista Park. No blocks.**
- Recommend that Mike provide a picture of the new station to the landowner; as it has a large moose in a canola field.
- It is a good idea to install a Purple Air at the new monitoring station; may provide additional insight on what we are measuring.

#### Equipment Procurement Status

- In July the new PRAMP monitoring station was deployed for 986; next week we will be receiving the new trailer to BV for integration work; it should be ready for deployment by late October, early November. Our intention is to deploy it in the Reno area.
- Our budget also has funds to build the last station; needs to be purchased before the end of March.
- As we are not operating the PRC station, which is included in our budget, we can absorb the cost of running two stations at Reno for a while to determine suitability of site.

## **2.3 Canister Sampling Program**

Review canister results

- We covered the canister sampling program in the station updates.
- Mike has reached out to a chemist to do the isotropic analysis; Mike will reengage with him.
- BV is adding a note to their reports that canisters are being changed at a regular basis.

**2.4 New Business**

Annual Data Review

- Mike asked that committee provide any editorial comments directly to Mike and Lily.
- Comments: Doug, no comments; Krista, no concerns; Anthony hasn't reviewed yet, but feels it can go to the Board; Corinna has no concerns; Matt, no concerns; Hanna has no issues; Amanda no issues.
- Acknowledge the amount of work that Mike and Lily have put into the report.

**Motion to have the Board of Directors approve the Annual Report for 2019/20 by Corinna. No blocks**

Purple Air

- We have four Purple Air Sensors deployed – in Nampa, one in Peace River in the valley and one above the valley, 986 there is an issue with the cell reception so we may need to reposition the modem.
- We want to deploy another to Grimshaw
- When you use the website, the default is to the US EPA numbers. You can change it to the Canadian AQHI
- You can save the link for any particular station.
- For the remaining units we will put one in Grimshaw and the new Reno Station

Field Operations Assistant

- We will be reposting and hiring someone to fill the Field Operations Assistant role.
- A notice will be posted on our website and through social media. We will also ask our Directors and Members to share the posting.

**3 Closing**

**3.1 Roundtable**

Krista has the AQHI light up and running, but the light has not started to pull data yet so the light is still white.

**3.2 Next Meeting**

**3.3 Adjournment**

Meeting adjourned at 2:46 pm by Mike Bisaga.

Action Item Number	Action Item Description	Status
<b>New Action Items</b>		
2020-09-01	Mike and Lily will get a quote for the removal of the trees at the current Reno monitoring site, and review all other costs; including power and road upgrade the site	<b>NEW</b>

2020-09-02	Mike will ask the landowner if it would be possible to site the new Reno station across the road from the location originally looked at.	<b>NEW</b>
<b>Completed Action Items</b>		
2019-12-01	Mike and Lily will develop a proposal for a co-deployment with objective to address siting issues at Reno. Timeline is end of January	
2019-12-02	Mike will follow up with Elvis about the tree issue at Woodland Cree	
2019-05-01	Mike will talk to Corinna Williams to see if the County will willing to do dust control at preferred AQHI trailer site at Codette Lake.	
2019-05-02	Karla will speak to CNRL to see what they wish to do with the power meter at 986B.	
2019-01-01	Mike will follow up with the other property owners (where stations are located) and discuss the option of payment for land rental.	
2019-01-01	Lily and Mike will explore the cost of adding precipitation readings (rain gauges) to the entire network.	
2019-01-01	Mike and Lily will prepare a one page document on recommended site for the AQHI trailer for Board, members and municipalities.	
2019-01-01	Mike and Karla will look into the information to be provided to AER on background canisters.	
2018-11-01	<b>PRAMP</b> staff will continue to work with legal counsel to develop a new contract with Maxxam going forward	
2018-11-02	<b>Mike and Lily</b> to pursue option 1 and move on to second if it doesn't work out for relocation of station 986	
2018-11-03	<b>Lily and Mike</b> will apply the matrix to the sites identified within the TWG for the siting of the portable monitor	
2018-11-04	<b>Lily</b> will send the siting requirement document for the portable monitor to Elvis Thomas	
2018-11-05	<b>Krista</b> will request a comprehensive document of the canister sampling program including the review of each canister with Laurie Cheperdak	
2018-11-06	<b>Brenda</b> will provide Laurie Cheperdak's email address to TWG	
2018-06-01	Mike and Lily will make a recommendation on a methane-based trigger for the canister program. The same trigger will be set at all the stations.	
2018-06-02	Mike and Lily will review the relationship between TRS and NHMC concentrations and report back to the TWG at the next meeting.	

2018-06-02	Mike and Lily will research the additional cost to continuously monitor VOCs	
2018-06-03	<b>Maxxam</b> will put a disclaimer that the data is raw on the dashboards going forward	
2018-06-04	The <b>TWG</b> will review the Portable Station Locating Procedure prior to the September meeting	
2018-03-01	<b>Mike</b> will talk to <b>Bob Myrick</b> about adding the government logo to the signs.	
2018-03-02	<b>Karla</b> and <b>Brenda</b> will research a menu option phone number	
2018-03-03	<b>Mike</b> will review the history of data and based on conversations today will come back with a recommendation.	
2018-01-05	<b>Mike</b> will come back to the TWG with recommendations on reasonable trigger levels	
2018-01-01	<b>Maxxam</b> will trigger the canisters that are set to expire as a test.	
2018-01-02	<b>Mike</b> will resend the sensor drawings to Reid	
2018-01-03	<b>Mike</b> will do research on signs and/or wraps for the stations	
2018-01-04	<b>Mike</b> will look into a second trigger on canisters related to hydro-carbons	
2017-11-01	<b>Mike</b> will add the approval process to the TORs. Will send with the draft minutes for approval.	
2017-11-02	<b>Mike</b> will make a recommendation to the Board on the procedures for the TWG to report to the Board	
2017-11-03	<b>Lily</b> will ask Maxxam to provide a system design including the location of the new sensor. The <b>TWG</b> will approve via email before Maxxam does the installation.	