Peace River Area Monitoring Program (PRAMP) Committee

Technical Working Group Meeting

August 31, 2022

Zoom Video Conference

# Meeting Notes

Attendees:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Sector Group** | **Organization** | **Participation** |
| Doug Dallyn | Public |  | Director |
| Elvis Thomas | Public | Woodland Cree | Director |
| Krista Park | GOV | AHS | Director |
| Jason Javos | GOV | Northern Sunrise County | Director |
| Sarah Stockley | Public |  | Member |
| Arlene Hogg | Ind | CNRL | Director |
| Carolyn Lewis | Industry | Baytex Energy | Director |
| Mike Brown | GOV | AER | Guest |
|  |  |  |  |
| Karla Reesor |  | Executive Director |  |
| Mike Bisaga |  | Technical Program Manager |  |
| Lily Lin |  | Technical Program Manager |  |
| Brenda Barber |  | Office Manager |  |
| Dwayne Stepaniuk |  | Field Technician |  |
|  |  |  |  |
| Randy Rudolf |  | AECOM | Guest |
| Loredana Suciu |  | AECOM | Guest |

Regrets:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Sector Group** | **Organization** | **Participation** |
| Garrett Tomlinson | Gov | Metis Nation, Region 6 | Director |
| Andy Trudeau | GOV | MD Smoky River | Director |
| Madhan Selvaraj | GOV | AEP | Guest |
| Long Fu | GOV | AEP | Guest |
| Laurie Cheperdak | GOV | Alberta Health | Guest |

***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 Introductions**

**1.2 Approve Agenda**

No additions to the Agenda

**Motion to approve the agenda by Arlene Hogg.**

**1.3 Approval of Minutes**

*Minutes were provided prior to the meeting.*

**Motion to approve the Minutes from the July 27, 2022 Meeting by Krista Park. No blocks**

**Motion to approve the Minutes from the April 14, 2022 Meeting by Doug Dallyn. No blocks**

**2 Standing Business**

**2.1 Administration and Planning**

OSM Planning Process

*2023/24 OSM Work Plan Scoping Document was provided prior to the meeting*.

* Informs the work that is included in monitoring for 2023 and 2024; we will need to be creative to fit the findings of the Network Assessment into the workplan as it is due before the Network Assessment will be completed.

**2.2 Continuous Monitoring Program**

Dashboard Reports

*The dashboard reports for June were posted on the Members Portal.*

More detailed field operational notes can be found in the monthly technical reports on the PRAMP website ([link here](https://prampairshed.ca/wp-content/uploads/2022/07/PRAMP-Monthly-Ambient-Air-Quality-Monitoring-Report-for-June-2022.pdf)).

No major operational issues for June were reported

Relative Humidity sensor failed for Reno. 202 hours of downtime were recorded (71.9% uptime).

986 issue with THC analyzer

* No canister events recorded in June

The draft July dashboard was presented. There were a number of issues.

* Regional power outage at the end of July that affected 986 and Reno.
* 842 there was a Ransomwear attack. It is being investigated as it was on the datalogger
* Reno station had a downtime issue due to the barometric pressure;
* PRC station also had a downtime issue due to a barometric pressure. Issue with barometric pressure cannot be identified in daily data review.
* Lily and Mike are looking into corrective issues for issues that are within our control. BV has already indicated that July was not a good service month.

Reno Deployment

* Site preparation has been completed; electricity has been trenched and we are now waiting for the electrical permit and base to be installed.

**3.0 New Business**

Network Assessment – Phase 3

* (Presentation by Randy Rudolf and Loredana Suciu)
* Phase 3 focussed on identifying gaps outside of PRAMP boundaries.
* Emerging Technologies – offer opportunities for lower cost, high density networks. They are generally low cost, run on solar or batteries, some require access to wifi and there is usually no calibration.
* Range of options from continuous monitoring to citizen science
* Unmonitored source areas are interior to PRAMP located near Walrus; existing wells on the NE corner of PRAMP and outside the ESE border; seen in well density map and also in NPRI emissions.
* Draft Recommendations were presented (see report).
* Going forward Randy and Loradana will be finalizing their report. The presentation will be added to the Members Portal.

**Roundtable**

Mike Brown – appreciates seeing the presentations to see how the monitoring is meeting the expectations of the AER

Arlene Hogg – good to get an overview to get a better sense of the totality of the monitoring

Jason Javos – we have a few stations close to each other, but should not consider closing any station right in Peace River; might want to consider putting a station in Nampa or Cadotte Lake again.

**Adjournment**

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| --- | --- | --- |
| **Action Item Number** | **Action Item Description** | **Status** |
| **New Action Items** | | |
|  |  |  |
|  |  |  |
| **Completed Action Items** | | |
| 2021-05-01 | Mike and Lily will review and revise the AQHI re-deployment matrix over the next year |  |
| 2021-04-03 | Madhan will pull the emissions and modelling information and provide it to Mike. |  |
| 2021-04-01 | Mike and Lily will change the order of stations on the dashboard (move the PRC station to the end as we do not have data) |  |
| 2021-04-02 | Mike will update the map with the industry facilities |  |
| 2021-04-04 | Mike will walk Madhan through the proposed site to ensure that AEP doesn’t have any issues with it. |  |
| 2020-12-01 | Karla will develop a letter to send to our partners and stakeholders about the criteria on setting up the portable AQHI monitor |  |
| 2020-12-02 | Karla will provide Gaylene Whitehead with the membership form. |  |
| 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 |  |
| 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. |  |
| 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 | **PRAMP** staff will continue to work with legal counsel to develop a new contract with Maxxam going forward |  |
| 2018-11-02 | **Mike and Lily** to pursue option 1 and move on to second if it doesn’t work out for relocation of station 986 |  |
| 2018-11-03 | **Lily and Mike** will apply the matrix to the sites identified within the TWG for the siting of the portable monitor |  |
| 2018-11-04 | **Lily** will send the siting requirement document for the portable monitor to Elvis Thomas |  |
| 2018-11-05 | **Krista** will request a comprehensive document of the canister sampling program including the review of each canister with Laurie Cheperdak |  |
| 2018-11-06 | **Brenda** 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 | **Maxxam** will put a disclaimer that the data is raw on the dashboards going forward |  |
| 2018-06-04 | The **TWG** will review the Portable Station Locating Procedure prior to the September meeting |  |
| 2018-03-01 | **Mike** will talk to **Bob Myrick** about adding the government logo to the signs. |  |
| 2018-03-02 | **Karla** and **Brenda** will research a menu option phone number |  |
| 2018-03-03 | **Mike** will review the history of data and based on conversations today will come back with a recommendation. |  |
| 2018-01-05 | **Mike** will come back to the TWG with recommendations on reasonable trigger levels |  |
| 2018-01-01 | **Maxxam** will trigger the canisters that are set to expire as a test. |  |
| 2018-01-02 | **Mike** will resend the sensor drawings to Reid |  |
| 2018-01-03 | **Mike** will do research on signs and/or wraps for the stations |  |
| 2018-01-04 | **Mike** will look into a second trigger on canisters related to hydro-carbons |  |
| 2017-11-01 | **Mike** will add the approval process to the TORs. Will send with the draft minutes for approval. |  |
| 2017-11-02 | **Mike** will make a recommendation to the Board on the procedures for the TWG to report to the Board |  |
| 2017-11-03 | **Lily** will ask Maxxam to provide a system design including the location of the new sensor. The **TWG** will approve via email before Maxxam does the installation. |  |