Peace River Area Monitoring Program (PRAMP) Committee

Technical Working Group Meeting

July 27, 2022

Zoom Video Conference

# Meeting Notes

Attendees:

|  |  |  |  |
| --- | --- | --- | --- |
| **Name** | **Sector Group** | **Organization** | **Participation** |
| Elvis Thomas | Public | Woodland Cree | Director |
| Krista Park | GOV | AHS | Director |
| Dustin Kagan | GOV | AHS (Student) | Guest |
| 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 |
| Doug Dallyn | Public |  | Director |
| Carolyn Lewis | Industry | Baytex Energy | Director |
| Arlen Hogg | Industry | Canadian Natural | Director |
| Jason Javos | GOV | Northern Sunrise County | 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 Krista Park.**

**1.3 Approval of Minutes**

*Minutes were provided prior to the meeting.*

**As we do not have quorum for this meeting, we will table the approval of the Minutes to our next TWG meeting.**

**2 Standing Business**

**2.1 Administration and Planning**

OSM Planning Process

We received confirmation we will be fully funded for the 2022/23 year

By the end of August the workplan template will be completed for 2023/24.

End of October we will be submitting the final workplan

**2.2 Continuous Monitoring Program**

Dashboard Reports

*The dashboard reports for April and May were posted on the Members Portal.*

* More detailed field operational notes can be found in the monthly technical reports on the PRAMP website ([April Monitoring Report](https://prampairshed.ca/wp-content/uploads/2022/06/PRAMP-Monthly-Ambient-Air-Quality-Monitoring-Report-for-April-2022.pdf)).
  + In April there were no major operational issues reported
  + From April 7 (22:35) to April 8 (05:15) there were several hours of elevated methane measured at Reno. No canister was triggered
* More detailed field operational notes can be found in the monthly technical reports on the PRAMP website ([May Monitoring Report](https://prampairshed.ca/wp-content/uploads/2022/06/PRAMP-Monthly-Ambient-Air-Quality-Monitoring-Report-for-May-2022.pdf)).
  + In May there were no major operational issues reported.
  + The relative humidity probe at Reno failed on May 23 at 07:00 and was replace on June 9 at 10:00. 209 hours of downtime were recorded in May.
  + PRC station the TRS analyzer was exchanged for the CNRL analyzer.
  + One Canister event was recorded at 842b in May
  + At the last PRAMP Committee Meeting one member indicated that not all downtime was indicated on the dashboard; all downtime can be viewed on the detailed field operations notes on the monthly technical reports (link provided).

Reno Deployment

* ATCO has completed the install of the upgraded power and the site preparation is in progress. We are weeks away from being able to put the trailer in.

**3.0 New Business**

2021 Annual Data Review

The 2021 Report is being reformatted to present the data in a more valuable and visual way.

Network Assessment – Phase 2

* (Presentation by Randy Rudolf and Loredana Suciu)
  + - Focus on PRC and Mercer stations
    - PRC and Mercer PRPD stations are unlike the core PRAMP station in that they are adjacent to facilities with specific monitoring needs, and act as compliance stations rather than measuring general air quality
    - Long-term trends at PRC and Mercer stations follow those of PRAMP stations over the same time period
      * Increasing TRS (decreasing at PRC since 2018)
      * Decreasing SO2
      * NMHC, THC, CH4 variable but relatively constant
* Historical and recent exceedances of the 1-hour TRS threshold at PRC and Mercer PRDP, suggest an ongoing potential for occasional odour detection
* 1-hour SO2 concentrations are much lower than the AAAQOs.
* 1-hour PM2.5 exceedances at Mercer Town suggest further PM monitoring is needed in the region
* Correlation analysis for PRC and Mercer stations indicates that elimination of sites and/or parameters not recommended.
* May recommend reducing some of the passive network as SO2 measurements are well below the AAAQOs and supported by continuous monitoring.

**Adjournment**

Meeting adjourned at 11:38 am.

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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. |  |