



PRAMP Results 2018-19

DRAFT: April 22, 2019

This document is provided for discussion and input from the Board of Directors. At the April 25 Board meeting, Directors will be given the opportunity for discussion about Executive Director performance without staff present.

Introduction

This document summarizes PRAMP results from 2018-19 in the following areas:

Part 1 – Key Results and Recommendations from the Executive Director

Part 2 – Technical Monitoring and Reporting

Part 3 – Executive Director and Contractor Performance

Part 4 – Board of Directors and Technical Working Group Performance

Part 1 – Key Results and Recommendations

Key Results from 2018-19

- ❖ **New AQHI Station outfitted and ready to deploy** in Q1 or Q2 2019-20. The new station will provide valuable information for the community, and addresses a long-standing request from Woodland Cree First Nation for air monitoring.
- ❖ **New canister collection program for methane** at Reno station that will provide additional information about air quality in the area.
- ❖ **New relationships and partnerships** established with Woodland Cree First Nation, Boreal Research Institute and municipalities in the region.
- ❖ **Lease arrangements and relationships** with new landowners for the 986 and 842 stations.
- ❖ **Education and outreach funding in place** up to November 2019 that will help to raise awareness of AQHI data and PRAMP's monitoring program.
- ❖ **New Directors** from Woodland Cree First Nation, Boreal Research Institute (NAIT) and Obsidian.
- ❖ **Successful station audits** by AEP.

Recommendation 1: Revise PRAMP boundaries based on information provided by data review and interest from stakeholders. Continue to reach out to adjacent municipalities and industrial operators with an invitation to join PRAMP.

The PRAMP Board of Directors initiated discussion about PRAMP boundaries in 2018-19, and a decision can be taken in 2019-20. Expanding the boundaries creates an entry point for discussion with neighbouring stakeholders.

Recommendation 2: With the Education and Outreach grant funds from AEP, develop new materials and approaches for education about air quality and PRAMP monitoring. Monitor and measure the results, and adapt the program as appropriate.

With the new monitoring station and the Air Quality Health Index (AQHI) data, PRAMP can expand and enhance its education and outreach efforts. With attention to monitoring and measuring the education results, PRAMP will improve the likelihood of finding new funding for education and outreach, and continue to advance air literacy in the region after November 2019.

Recommendation 3: Consider establishing a new committee of the Board to review human resource and governance matters, including program evaluation.

Evaluation is most effective when there are clear expectations to assess. The Board could discuss and decide on its approach to program evaluation at the June 2019 Board meeting

Part 2 – Technical Monitoring and Reporting

PRAMP Goal 1: Assist in verifying that air quality is improving and odours are being minimized as a result of operational and regulatory improvements.

Continuous ambient monitoring results for total hydrocarbon, non-methane hydrocarbon and sulphur compounds will be analyzed to determine trends over time. Odour complaints will be correlated to monitoring results to verify that operational and regulatory improvements are effective.

Key Indicators	Assessment Questions	Results
Daily, monthly and annual data review	How reliable and useful was the data analysis?	Daily reports resulted in inquiries from residents, companies and the AER indicating that the information is used and useful. AEP audit indicated equipment and data were in compliance with Air Monitoring Directive.
Odour complaints correlated to monitoring results	How were odour complaints correlated to monitoring results and how was the information communicated?	Far fewer complaints are being logged with regulatory agencies. Anecdotal evidence suggests that there are still odour issues in certain areas of the Airshed and with specific landowners, however the complaints are not being called-in and therefore, true comparisons to current ambient data and historical complaint patterns cannot be made.

PRAMP Goal 2: Operate transparently and give residents and stakeholders timely access to data and information in a manner that is readily understood.

PRAMP's operation will be transparent to the members and the public. A communication plan will be developed to provide real-time access to monitoring data on a website. Regular, readily understood summaries of monitoring results from Goal #1, 3 and 4 will also be provided.

Key Indicators	Assessment Questions	Results
Website Development	How timely and relevant is the information on the PRAMP website?	Website provides near-real time data from the 3 PRAMP stations. PRAMP newsletters and approved Board meeting minutes are posted on the website for public viewing. No further enhancements were made to the website in 2018-19.
Communications	What tools and	A grant application for education and

reach	approaches have been used to communicate with the community and how many people are part of the communication network?	<p>outreach funding was submitted to Alberta Environment and Parks in February 2018. The grant was approved in February 2019. A grant extension to November 29, 2019 was approved in March 2019. Therefore, PRAMP did not initiate significant new outreach efforts in 2018-19. However, PRAMP continued and enhanced its outreach efforts as follows:</p> <ul style="list-style-type: none"> • Meetings/Presentations with MD of Smoky River, Northern Sunrise County, MD of Peace, Peace River Council, Woodland Cree First Nation, Linda Duncan MP, DMI, Boreal Research Institute • On-going engagement with AEP Environmental Monitoring and Science Division, Alberta Health, Alberta Health Services • PRAMP Booth at Peace River Trade Show, SARDA Trade Show in Falher, Northern Sunrise County Canada Day Celebrations • 4 newsletters (40 + people on newsletter list) • Twitter with 61 followers • Facebook page followed by 28 people
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PRAMP Goal 3: Demonstrate that operators have effective control mechanisms.

The ambient monitoring results and odour complaints will be analyzed to determine if source control mechanisms for emissions result in improved air quality (see Goal #1 above). Results of AER odour inspection sweeps of facilities will be reported.

Key Indicators	Assessment Questions	Results
Data Review	What PRAMP data analysis has been undertaken?	<p>The 2016-2017 annual report assembled by the TPMs was modelled after the previous years' document. The report has been approved by the PRAMP Board of Directors and was submitted to AEP for review in January 2019.</p> <p>The Reno station has shown higher methane readings in comparison to the 986 and 842 stations. The higher readings are correlated to the station being in closer proximity to production facilities. However, to gather more information about air quality at the Reno site, the</p>

PRAMP TPMs developed and implemented a new, temporary program to collect methane samples in canisters at the Reno station. The program is in progress and will be evaluated by PRAMP in Q1 2019-20.

PRAMP Goal 4: Verify that air quality is at acceptable levels and that emissions residents are exposed to are below toxic thresholds.

Canister sampling for volatile organic compounds and reduced sulphur compound concentrations will be compared to health exposure thresholds defined by Alberta Health. Alberta Health will review relevant information available from other jurisdictions and recommend suitable health exposure thresholds. PRAMP will compare measured compound concentrations to the recommended exposure thresholds to provide an indicator of what compounds are a potential health concern. Odour thresholds from the Proceeding and the Stantec report will also be compared to measurements.

Key Indicators	Assessment Questions	Results
Canister Analysis	How effective was the PRAMP canister collection and analysis process?	<p>Steps taken by the TPMs in 2018 to improve the reliability of the triggered canister collection program have reduced the number of canister failures.</p> <p>As noted above, a new canister collection program for methane was launched at the Reno station in Q4 2018-19. Results will be assessed in 2019.</p>

PRAMP Goal 5: Maintain its status as an independent Not-for-Profit Organization and Airshed that is focused on continuous improvement and responsible growth.

Key Indicators	Assessment Questions	Results
Governance and Growth Initiatives	How satisfied are you that the PRAMP Committee is achieving its goal of continuous improvement and responsible growth?	<ul style="list-style-type: none"> • PRAMP completed its second financial review with an external auditor. No concerns were identified. • PRAMP's grant application for \$49k for 2018-19 was successful, and an extension was approved to November 29, 2019. • PRAMP has successfully navigated the allocation of budget surplus to capital purchases for two consecutive years. • PRAMP has purchased and outfitted a new AQHI station that will be

deployed in Q1 or Q2 2019-20 on Woodland Cree land.

- PRAMP has purchased an additional new trailer and equipment that will be used to replace a rented station and some equipment at one of the existing monitoring sites. Over time, PRAMP's rental expenses will be reduced.

Part 3 - Executive Director and Contractor Performance

The Executive Director role involves three key components as follows:

1. Organizational Leadership – Overseeing the day-to-day operations of the organization.
2. Strategic Development – Developing and implementing approaches to meet the long-term goals and objectives.
3. Communications, Outreach and Engagement – Overseeing communication and engagement with the community, the Board of Directors, all levels of government and the media.

Key Indicators	Assessment Questions
Priorities for ED identified by the Board in March 2018 include: <ul style="list-style-type: none"> • Program Leadership • Outreach • Budget Management • Stakeholder Relationship Management 	<p>What did the ED do well in 2018-19?</p> <p>In what areas could the ED improve the leadership provided to PRAMP?</p>
Performance of Contractors <ul style="list-style-type: none"> • Technical Program Managers • Office Manager 	<p>In what areas did the contractors excel?</p> <p>In what ways could contractors improve services to the PRAMP Committee?</p>

Part 4 - Board of Directors and Technical Working Group Performance

Key Indicators	Assessment Questions
Board of Directors' performance	<p>What is the Board of Directors doing that is working well?</p> <p>In what areas could the Directors individually or collectively improve their performance or effectiveness?</p>
Technical Working Group performance	<p>How satisfied is the Board with the functioning of the Technical Working Group?</p>