



**PRAMP Board Meeting
February 10, 2023**

Item 4A: PRAMP Operating Plan 2021-2023

For Discussion: Staff is providing an updated Operating Plan to reflect results achieved up to January 31, 2023.

Introduction

Based on the Goals and Strategies approved at the June 24, 2021 meeting, staff prepared the 2021-23 Operating Plan to describe the Actions and Timing to achieve the Goals and Strategies. It is a working document for PRAMP staff.

Goal			
1. Evidence-driven verification that air quality in the Peace River area is at acceptable levels and that emissions are being minimized			
Strategies	Actions	Timing	Update 31Jan2023
1.1 Conduct a Monitoring Network Assessment that includes: <ul style="list-style-type: none"> the level of monitoring appropriate for heavy oil production in light of current conditions changes appropriate for the network if the two Mercer stations, the PRC station and passive monitors are added to the PRAMP network 	<ul style="list-style-type: none"> Prepare project plan, form project team, draft RFP (September) Issue RFP and assess results (October) Compile PRAMP data (October) Select contractor (Nov) Implement Project Plan (Nov/Dec) 	Sept 2021 to Nov 2022 (<i>costs allocated between 2 fiscal years</i>)	COMPLETE <ul style="list-style-type: none"> Results shared with TWG in March, June and August 2022 Draft report presented at AGM Sept 2022 Final Report accepted by the Board in Dec 2022
1.2 Assess results of the Network Assessment and implement changes as determined by the Board	<ul style="list-style-type: none"> Present results to the Board 	Fall 2022	<ul style="list-style-type: none"> In Dec 2022, Board directed staff to investigate next steps included in the Network Assessment report



<p>1.3 Assess the costs and benefits for PRAMP, Mercer and the community if PRAMP were to assume operation of the Mercer air monitoring network</p>	<ul style="list-style-type: none"> • With Mercer, establish and implement approach to evaluate monitoring options 	<p>Summer 2022</p>	<ul style="list-style-type: none"> • Met with Mercer in November 2021 • PRAMP conducted audit for Mercer in Dec/Jan • Meeting with Mercer to discuss next steps – June 2022 • In Dec 2022, PRAMP staff submitted to Alberta EPA a Mercer/Alberta EPA cost sharing option for a Peace River AQHI-enhanced station
<p>1.4 Determine whether the two Mercer stations will be incorporated into the PRAMP network</p>	<ul style="list-style-type: none"> • Present options to the Board for Mercer stations 	<p>Winter 2023</p>	<ul style="list-style-type: none"> • In Jan 2023, Mercer indicated it wants to proceed to integrate 2 Mercer stations into PRAMP network • PRAMP staff working with Mercer and EPA on possible integration plan, including costs and timing
<p>1.5 Maintain operation of all PRAMP air monitoring stations to achieve the objectives of the OSM contract and in compliance with the Air Monitoring Directive unless or until a change in the network is decided by the Board and informed by the Network Assessment</p>	<ul style="list-style-type: none"> • Operate and maintain the Peace River area continuous monitorings stations: <ul style="list-style-type: none"> ○ Reno ○ 986 ○ 842 ○ AQHI station • Oversee routine calibrations and preventative maintenance for all stations in the PRAMP network in accordance with the Air Monitoring Directive (AMD) • Relocate stations as needed to remain in compliance with the AMD and to respect landowner interests. 	<p>On-going</p>	<ul style="list-style-type: none"> • Monitoring program at Cadotte Lake concluded on Nov 23, 2021. AQHI station moved to Grimshaw and operational on Dec 1, 2021 • PRAMP assumed operations of the PRC monitoring station and passive network on March 1, 2022 • Reno station with PRAMP-owned trailer operational at new site B in December 2022 • QAP audit complete in April 2022; plan for implementation of recommendations is in progress and will be complete in Winter 2023 • Consultation for next location of AQHI Station will commence in Spring 2023



	<ul style="list-style-type: none"> Operate passive monitoring stations in the Peace River area (<i>when PRAMP assumes operation of the PRC passive network</i>) Participate in Oil Sands Monitoring (OSM) Program and Alberta Airsheds Council committees and activities related to optimizing and improving the active air and atmospheric deposition monitoring network in the Peace River area. 		
1.6 Data reporting meets or exceeds provincial requirements and regulatory compliance commitments	<ul style="list-style-type: none"> Meet or exceed AMD requirements with real-time air quality data to AEP as well as monthly and annual reports. Prepare an Annual Data Review for the previous two calendar years (by September). 	On-going	<p>All requirements met.</p> <p>New initiative – PRAMP Technical Program Managers proactively developed new process to review PRAMP data that aligns with new AEP annual data review methodology</p> <p>2019-2020 Annual Data Review – posted on PRAMP website 2021 Annual Data Review – approved by the Board in December 2022</p>
1.7 Data is analyzed to confirm that results do not exceed Alberta Ambient Air Quality Objectives and Guidelines and Canadian Ambient Air Quality Standards where applicable	<ul style="list-style-type: none"> Report exceedances of the AAAQO Objectives and Guidelines and CAAQS (Data are not compared with the CAAQs, only AAAQOs/AAAQGs). We could say <i>“Report exceedances of</i> 	On-going	<p>April 1 to Oct 31 – 25 contraventions (including uptime less than 90%) and all were reported to AEP in accordance with AMD</p> <p>November 1 to April 30, 2022 – 3 contraventions were reported to AEP in accordance with AMD; and 90% uptime</p>



	<i>the AAAQO Objectives and Guidelines and generate data needed for determination of CAAQS achievement.”</i>		<p>requirement was achieved for all stations; all May 1, 2022 to December 31, 2022 – 38 contraventions (including uptime less than 90%) and all were reported to AEP in accordance with AMD</p> <p>Analysis of a ransomware attack at station 842-B lead to implementation of better practices to prevent future occurrences. Lessons learned were presented and shared with members of the AAC-TC.</p>
Goal			
2. Residents and stakeholders have timely access to air quality data and information in a manner that is readily understood			
Strategies	Actions	Timing	Update 31Jan2023
2.1 Engage stakeholders to identify areas for improvement with PRAMP communications (website, newsletter, social media)	<ul style="list-style-type: none"> Conduct survey to identify key information for stakeholders and preferred communication channels. 	Winter 2022	Communications Working Group will discuss this initiative in February/March 2023
2.2 Develop an Indigenous Outreach Plan	<ul style="list-style-type: none"> Prepare contact list for Indigenous communities within or near PRAMP boundaries. Identify approaches to engage in 2-way dialogue with Indigenous communities within or close to PRAMP boundaries. 	On-going	<p>Reach out to Indigenous communities and schools to offer information and presentations.</p> <p>Participated in Treaty Days at Duncan’s First Nation and Woodland Cree First Nation</p>
1.7 Micro-sensors, passive monitors and other low cost monitors are deployed to address community	<ul style="list-style-type: none"> Deploy 3 additional PurpleAir particulate matter monitors in locations with existing wifi and power sources. 	On-going	Currently have sensors at Reno, Nampa, 986, 842, Grimshaw and 2 in Peace River.



concerns and to assess viability of lower cost monitoring	<ul style="list-style-type: none"> Assess options for tracking and sharing PurpleAir data 		Additional sensors may be located at MD of Peace Office and Cadotte Lake.
1.8 Deliver timely, relevant and accessible air quality data so that residents can make informed choices in support of human health and the environment	<ul style="list-style-type: none"> Provide near real-time air quality data on the PRAMP website. Provide AQHI data on the PRAMP website, social media and local radio. 	On-going	AQHI lanterns: <ul style="list-style-type: none"> - PR Health Centre (Fall 2021) - Grimshaw Library (Winter 2022) - Northern Sunrise County Office (Spring 2022) Planning for a lantern at Cadotte Lake and/or Nampa visitor centre
Goal			
3. Educators, community groups and citizens can access resources to increase understanding of and promote healthy air quality			
Strategies	Actions	Timing	Update 31Dec2022
3.1 Develop and implement audience-specific approaches to improve air quality literacy in the Peace River area	<ul style="list-style-type: none"> Update the Education and Outreach Work Plan to reflect changes in Goals and Strategies. Deliver at least 15 in-person or virtual learning events and assess outcomes. Prepare quarterly newsletters and at least 3 social media posts each week. 	On-going	<ul style="list-style-type: none"> Learning sessions on air quality, vermicomposting and making recycled paper – 130 participants Booths at community events – 406 people engaged Clean Air Day AQHI Station Tours for 52 students 3 newsletters in 2022 2020-21 Annual Report and 5-year history document complete 2021-22 Annual Report complete
3.2 Establish and maintain relationships with educators, community groups, municipalities, Indigenous communities and environmental groups in order to raise awareness about air quality, understand any air quality concerns and foster partnerships to achieve mutual	<ul style="list-style-type: none"> Engage with all municipalities and Indigenous communities within PRAMP boundaries at least once each year. Reach out to all schools within PRAMP boundaries to explore opportunities for 	On-going	<ul style="list-style-type: none"> Thank you letter and PRAMP calendar, Annual Report and 5-year history document sent to approx. 40 stakeholders Contact with all schools Presentations to municipalities: <ul style="list-style-type: none"> o Northern Sunrise County (April 2022)



	<p>learning events and partnerships.</p> <ul style="list-style-type: none"> • Host or participate in at least 3 community events each year. 		<ul style="list-style-type: none"> ○ Town of Grimshaw (April 2022) ○ MD of Peace (April 2022) ○ MD of Smoky River (June 2022) ○ Town of Peace River (offer extended in April) <ul style="list-style-type: none"> • AGM and open house in September 2022 (Grimshaw) • Contact all municipalites for update presentation in Winter 2023 • Confirmed participation at: <ul style="list-style-type: none"> ○ SARDA Trade Show Falher (Mar 2023) ○ Teachers' Convention Grande Prairie (Mar 2023) ○ Peace River Spring Trade Show (May 2023)
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			
Strategies	Actions	Timing	Update 31Jan2023
4.1 Develop a consolidated Operating Plan that includes Oil Sands Monitoring requirements, any other monitoring, outreach and governance initiatives	<ul style="list-style-type: none"> • Share Operating Plan with the Board. • Track progress of the plan at Board meetings. 	On-going	<ul style="list-style-type: none"> • Operating Plan updated and reviewed at Dec 2021 Board meeting • Operating Plan updated and reviewed at June 2022 Board meeting • Operating Plan updated and reviewed at February 2023 Board meeting
4.2 Engage with and support the Alberta Airsheds Council (AAC) and Clean Air Strategic Alliance (CASA) to leverage shared communication resources, promote air monitoring excellence and advance the	<ul style="list-style-type: none"> • Support Executive Director taking on Co-chair role for Alberta Airsheds Council (AAC). • Participate in AAC Board, Partner, Technical Committee 	On-going	<ul style="list-style-type: none"> • Multiple AAC Board and Partner meetings • AAC Annual Data Review complete • Represent AAC at quarterly meetings with the AER's Multi-stakeholder Engagement Advisory Committee



effectiveness and efficiency of PRAMP and other Airsheds	and Communications Committee meetings.		<ul style="list-style-type: none"> • Represent AAC at annual meeting with AER CEO and Board Chair • Coordinated the preparation of a grant application from AAC to EPA in support of a province-wide Innovative Air Education program
4.3 NEW - Maintain relevant Strategic Plan, policies and procedures to be in compliance with contractual expectations and to establish effective governance	<ul style="list-style-type: none"> • Conduct Board review of PRAMP Policies at least once every 2 years • Create new policies as needs arise 	On-going	<ul style="list-style-type: none"> • Two policies were updated and five new policies were approved in June 2022 • Vision and Mission to be reviewed in 2023