



**PRAMP Board Meeting
August 4, 2021**

Item 5A: PRAMP Operating Plan 2021-2023

For Discussion: Actions and proposed Timing to achieve the Goals and Strategies

Introduction

Based on the Goals and Strategies approved at the June 24 meeting, staff have prepared the 2021-23 Operating Plan for discussion with the Board. The Operating Plan describes the Actions and Timing to achieve the Goals and Strategies and is a working document for PRAMP staff.

The text highlighted in yellow in Strategy 1.5 was added by staff following the June 24 Board meeting,

Goal		
1. <i>Evidence-driven verification that air quality in the Peace River area is at acceptable levels and that emissions are being minimized</i>		
Strategies	Actions	Timing
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 May 2022 <i>(option to split cost between 2 fiscal years depending on budget availability)</i>
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 	May 2022
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	<ul style="list-style-type: none"> With Mercer, establish and implement approach to evaluate monitoring options 	Fall 2021
1.4 Determine whether the two Mercer stations will be	<ul style="list-style-type: none"> Present options to the Board for Mercer stations 	Jan 2022

<p>incorporated into the PRAMP network</p>		
<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 monitoring 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. • 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. 	<p>On-going</p>
<p>1.6 Data reporting meets or exceeds provincial requirements and regulatory compliance commitments</p>	<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). 	<p>On-going</p>
<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</p>	<ul style="list-style-type: none"> • Report exceedances of the AAAQO Objectives and Guidelines and CAAQS 	<p>On-going</p>
<p>Goal</p>		

2. Residents and stakeholders have timely access to air quality data and information in a manner that is readily understood		
Strategies	Actions	Timing
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
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. 	Fall 2021
2.3 Micro-sensors, passive monitors and other low cost monitors are deployed to address community concerns and to assess viability of lower cost monitoring	<ul style="list-style-type: none"> Deploy 3 additional PurpleAir particulate matter monitors in locations with existing wifi and power sources. Assess options for tracking and sharing PurpleAir data 	On-going
2.4 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
Goal		
3. Educators, community groups and citizens can access resources to increase understanding of and promote healthy air quality		
Strategies	Actions	Timing
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
3.2 Establish and maintain relationships with educators, community groups, municipalities, Indigenous communities and	<ul style="list-style-type: none"> Engage with all municipalities and Indigenous communities within PRAMP boundaries at least once each year. 	On-going



<p>environmental groups in order to raise awareness about air quality, understand any air quality concerns and foster partnerships to achieve mutual</p>	<ul style="list-style-type: none"> • Reach out to all schools within PRAMP boundaries to explore opportunities for learning events and partnerships. • Host or participate in at least 3 community event each year. 	
Goal		
<p>4. Recognized as an independent not-for-profit organization and Airshed that is focused on continuous improvement and responsible <i>leadership in air quality monitoring</i></p>		
Strategies	Actions	Timing
<p>4.1 Develop a consolidated Operating Plan that includes Oil Sands Monitoring requirements, any other monitoring, outreach and governance initiatives</p>	<ul style="list-style-type: none"> • Share Operating Plan with the Board. • Track progress of the plan at Board meetings. 	<p>Fall 2021</p>
<p>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 effectiveness and efficiency of PRAMP and other Airsheds</p>	<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 and Communications Committee meetings. 	<p>On-going</p>



Attachment 1

**PRAMP Goal Results Summary
LOOKING BACK**

(Based on stakeholder input and discussion at March 24, 2021 and April 21, 2021 PRAMP meeting)

Goals	Outcomes March 2021
<p><i>1. Assist in verifying that air quality is improving, and odours are being minimized as a result of operational and regulatory improvements.</i></p> <p>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.</p>	<ul style="list-style-type: none"> ▪ Science-based data from the 4 air monitoring stations and the decline in odour complaints indicates that this goal is being achieved.
<p><i>2. Operate transparently and give residents and stakeholders timely access to data and information in a manner that is readily understood.</i></p> <p>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.</p>	<ul style="list-style-type: none"> ▪ Daily reports and website information meet residents and stakeholders needs for timely and credible data.
<p><i>3. Demonstrate that operators have effective control mechanisms.</i></p> <p>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.</p>	<ul style="list-style-type: none"> ▪ The air quality monitoring results indicate effective controls have been implemented by operators in the area. ▪ Air quality indicators have improved significantly between 2010 and 2021 and have been relatively stable from mid-2014 onwards. This timeframe coincides with Directive 84 requirements for industry to reduce venting and transition to conservation.
<p><i>4. Verify that air quality is at acceptable levels and that emissions residents are exposed to are below toxic thresholds.</i></p> <p>Canister sampling for volatile organic compounds and reduced sulphur compound concentrations will be</p>	<ul style="list-style-type: none"> ▪ As a result of data from PRAMP triggered canisters, Alberta Health has been able to confirm that samples do not exceed health exposure thresholds. More fulsome analysis from Alberta Health is in progress.

<p>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.</p>	<ul style="list-style-type: none"> ▪ Canister data is valuable for people in the Peace River area and for people in other parts of the province experiencing similar thresholds and emissions.
<p><i>5. Maintain its status as an independent Not-for-Profit Organization and Airshed that is focused on continuous improvement and responsible growth.</i></p> <p>Based on the outcome of Goals 1, 3 and 4, PRAMP may modify the monitoring network and the canister sampling/analysis program, recommend additional studies for specific compounds, and/or recommend further emission source controls.</p>	<ul style="list-style-type: none"> ▪ The strategic planning initiative is an indication that PRAMP is focused on continuous improvement and responsible growth.