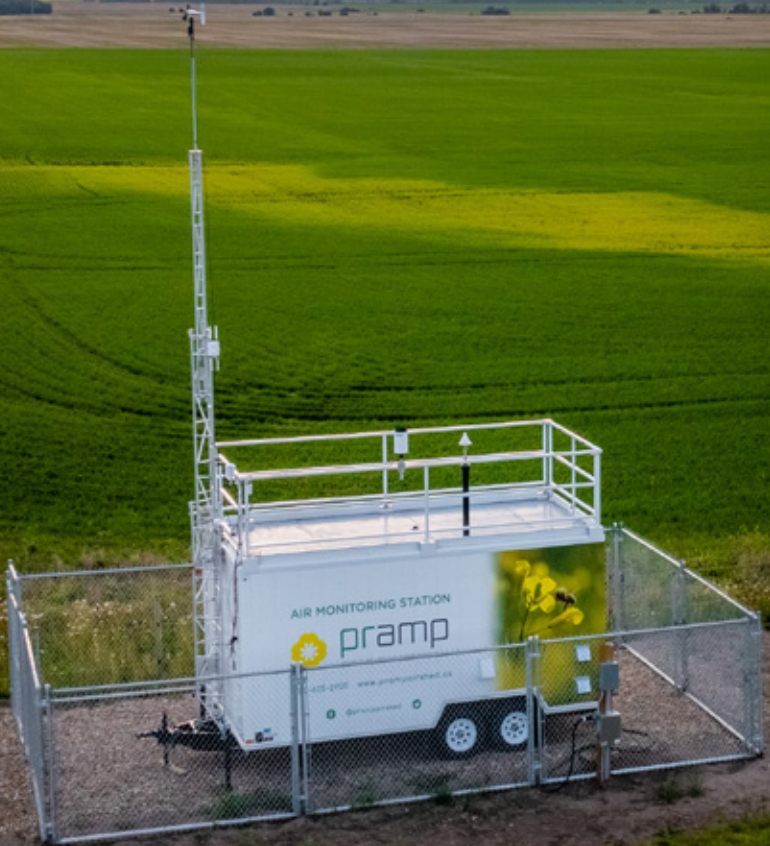




ANNUAL REPORT TO THE COMMUNITY

APRIL 1, 2022 TO MARCH 31, 2023



Monitoring air quality to support
a healthy environment in the
Peace River Area.



pramp
PEACE RIVER AREA MONITORING PROGRAM

COMMITTED TO COLLABORATION

EXECUTIVE MESSAGE

PRAMP concluded four-year contracts with Alberta Environment and Protected Areas (EPA) for air monitoring operations and our outreach work in March 2023. Multi-year contracts enable long-term, continuous air monitoring and successful air quality awareness programs. We appreciate that EPA and the Oil Sands Monitoring program are developing multi-year agreements for 2023 to 2027 in support of reliable, science-based continuous air monitoring data and strategic outreach programs.

Air monitoring in the Peace River area began with odour concerns in the Three Creeks and Reno areas. Today, PRAMP provides valued services at local, provincial, and national levels. With support from industry, local municipalities, community members, Indigenous communities, the Oil Sands Monitoring program, and the Government of Alberta, PRAMP does the following:

- Provides data from the PRAMP network to support outcomes from the Alberta Energy Regulator's Directive 84
- Monitors, provides data, and educates on local air quality issues
- Provides air quality data and analysis that contribute to environmental impact analysis for the oil sands region as part of the Oil Sands Monitoring program
- Shares technical and education best practices as a member of Alberta Airsheds Council
- Provides data for the Air Quality Health Index and compliance monitoring, and contributes to provincial air quality policy and practices
- Acts as part of the Federal Air Quality Management System, and its data is assessed against the Canadian Ambient Air Quality Standards

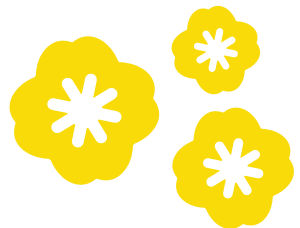
Monitoring in the Peace River area began as a collaborative effort and we are committed to continuing that collaboration as PRAMP contributes to the air monitoring network for the Peace River region, Alberta, and Canada.

Doug Dallyn, *Co-chair, Community*

Amanda Peardon, *Co-chair, Industry*

Garrett Tomlinson, *Co-chair, Government*

Shelly Shannon, *Secretary/Treasurer*





OUTREACH & EDUCATION HIGHLIGHTS

With grant funding from EPA, PRAMP continued to share timely air quality information with residents and offer unique education programs for classrooms and the community.

- Air monitoring station tours were offered in Grimshaw to school-age children and the community.
- PRAMP's Air Quality Health Index (AQHI) monitoring station provides valuable health information for the region and it is widely shared during poor air quality events such as smoky conditions from wildfires.
- A colour-changing AQHI lantern was installed in the Northern Sunrise County reception area in addition to the existing lanterns at the Grimshaw Municipal Library and Peace River Community Health Centre.
- A video was created with the Manager of the Grimshaw Municipal Library about the effectiveness of the AQHI lantern in raising air quality awareness and meeting the library's mandate to provide reliable information to the community.
- PRAMP was welcomed at Treaty Day events hosted by Woodland Cree First Nation and Duncan's First Nation.
- Handmade papermaking workshops were offered at the Peace River Public Library and in schools to encourage students and community members to reduce paper waste and turn used paper into unique sheets of handmade paper.
- Vermicomposting workshops were held throughout the year in Grimshaw and Peace River offering tips on how to turn food waste into rich soil.
- PRAMP shared quarterly online newsletters and continued to offer information through presentations and Facebook, Twitter, and Instagram @prampairshed updates on activities for students and community members.

THANK YOU MEMBERS & SUPPORTERS

GOVERNMENT

- Alberta Energy Regulator
- Alberta Environment and Parks
- Alberta Health
- Alberta Health Services
- Métis Nation of Alberta, Region 6
- MD of Smoky River
- MD of Peace, No. 135
- Northern Sunrise County
- Town of Falher
- Town of Grimshaw
- Woodland Cree First Nation

COMMUNITY

- Public Members
- NAIT Centre for Boreal Research
- Grimshaw Municipal Library
- Peace River Public Library
- Peace Regional Eco Centre

INDUSTRY

- Baytex Energy
- CNRL
- Enfinite Generation
- Islander Oil and Gas
- Obsidian Energy
- Secure Energy Services

BOARD OF DIRECTORS

Doug Dallyn

Co-chair, Community

Amanda Peardon

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(Baytex Energy)

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(Obsidian)

Arlen Hogg

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County)

Kevin Kemball

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(Woodland Cree
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Andy Trudeau

Director, Government
(MD of Smoky River)

CONTACT US

Visit **PrampAirshed.ca** for air quality information. Sign up for our quarterly newsletter!

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MONITORING PARAMETERS

Monitoring Method	Parameter	Station Name							
		986-C	842-B	Reno-B	PRC	AQHI (Grimshaw)	Peace River (above valley)	Peace River (in valley)	Nampa
Continuous	Sulphur Dioxide	✓	✓	✓	✓	✓			
	Hydrogen Sulphide				✓				
	Total Reduced Sulphurs	✓	✓	✓	✓	✓			
	Hydrocarbons <i>Total, Methane, Non-Methane</i>	✓	✓	✓	✓	✓			
	Oxides of Nitrogen <i>Total, Nitric Oxide, Nitrogen Dioxide</i>					✓			
	Ozone					✓			
	Fine Particulate Matter <i>Particles ≤ 2.5 Microns in Diameter</i>					✓			
	Wind <i>Speed, Direction</i>	✓	✓	✓	✓	✓			
	Precipitation	✓	✓	✓					
	Climate Variables <i>Temperature, Relative Humidity, Barometric Pressure</i>	✓	✓	✓	✓	✓			
	Air Quality Health Index (AQHI) <i>Third-Party Calculated Multi-Parameter Index</i>					✓			
Intermittent	Non-Methane Hydrocarbon Canister	✓	✓	✓					
Passive	Polycyclic Aromatic Compounds	✓							
	Hydrogen Sulphide, Sulphur Dioxide				✓				
Small Sensor	Fine Particulate Matter <i>Particles ≤ 2.5 Microns in Diameter</i>	✓	✓	✓		✓	✓	✓	
	Climate Variables <i>Temperature, Relative Humidity</i>	✓	✓	✓		✓	✓	✓	
	Air Quality Health Index Plus (AQHI+) <i>Third-Party Calculated Single-Parameter Index</i>	✓	✓	✓		✓	✓	✓	

PRAMP SUMMARY OF REVENUE AND EXPENSES

April 1, 2022 to March 31, 2023

Revenue

Oil Sands Monitoring Service Contract	824,712
Education and Outreach Grant	61,041

2022-23

Monitoring and Reporting Expenses

Monitoring Expenses	104,546
Station Management	252,338
Program Management	188,640
Report Production	71,372
Network Assessment	53,852
Amortization	141,510
Society (Office) Management	48,410
Capital Acquisitions	93,936

Total Contract Expenses

954,604

Education and Outreach Grant Expenses

Outreach Materials and Promotion	10,749
Planning and Delivery	22,527
Advertising	8,605
Community Events and Travel	9,600
Photography and Supplies	3,450

Total Grant Expenses

54,931

MONITORING HIGHLIGHTS

PRAMP continued to operate five air monitoring stations to achieve the objectives of the Oil Sands Monitoring program and in compliance with the Alberta Air Monitoring Directive.

In 2022, PRAMP initiated a Network Assessment to evaluate whether PRAMP is monitoring the right parameters at the optimal locations using the right technology. Through a competitive process, AECOM Canada Ltd. was selected as a neutral, independent contractor to conduct the study in collaboration with PRAMP stakeholders. Network Assessments are typically conducted by Airshed organizations every five to 10 years. This study was PRAMP's first formal Network Assessment.

The report includes a detailed analysis of air monitoring and meteorological data from the PRAMP air monitoring stations (including the Peace River Complex station) as well as the two Mercer Peace River air monitoring stations.

What did we learn? At a high level, some of the key results were:

- Each air monitoring station provides unique information and moving or removing stations is not recommended at this time.
- It may be useful to add lower-cost air monitoring sensors to some areas within PRAMP's boundaries that do not currently have air monitoring stations.
- For some parameters, when it is time to replace the current continuous monitors, lower-cost sensors could be considered as an alternative technology.

The final report was accepted by the Board of Directors in December 2022 and is available at PrampAirshed.ca. PRAMP staff and the Technical Working Group will be working through the implementation priorities in 2023-24.

