



The Clean Air Strategic Alliance (CASA) newsletter will arrive at your inbox three times per year, shortly after each board meeting, and provide a quick update for board members and other interested groups. Comments and

suggestions are welcome, so please tell us what you think. Email your feedback to info@awc-casa.ca. Follow us on X (formerly known as Twitter), LinkedIn, and subscribe to our YouTube channel. We look forward to hearing from you.



In this edition:

- **The Zephyr:** ROVER III Project Team presents draft recommendations themes, proposals being considered to advance work under dust management, and the Air & Waste Management Association Conference Committee provides a sneak peek of its abstracts.
- **Whiffs and Puffs:** Plastic air pollution

The Zephyr

ROVER III Project Team presents draft recommendations

The Roadside Optical Vehicle Emissions Reporter (ROVER) III Project Team launched in May 2018. The project experienced several delays during the pandemic which were beyond the team's control. Since then, the project has gained momentum because of the lifting of border restrictions and data

collection that took place between summer 2021 and fall 2022.

The emissions data was cross-referenced with vehicle characteristic information from Service Alberta, then emission trends were analyzed and documented in a consultant report. The project team is using the report as a basis for recommendations being developed for the CASA board. The project is expected to wrap up in 2024.

The International Council on Clean Transportation (ICCT) and Opus Inspection, Inc. (Opus) presented to the CASA board. ICCT presented their 2022 study *Heavy-duty emissions control tampering in Canada* while Opus presented an analysis of the results obtained from the Roadside Optical Vehicle Emissions Reporter (ROVER) III data collection campaign. The presentation was recorded and can be viewed [here](#).

For more information about this work, see [here](#).



Proposals being considered to advance work under dust management

The Best Practices Guide for Dust Management in Alberta Project Team prepared a scope of work for a consultant to develop a *Best Practices Guide for Dust Management in Alberta* based on the latest and best understanding of dust management options for major dust and source types that are found in Alberta. The intent is that the Guide be user-friendly, useful to stakeholders, and include references that allow users to easily access additional information on specific best practices identified. The Guide is also hoped to improve ambient air quality in Alberta with associated human health and environmental protection benefits.

The team has received several proposals and is selecting a consultant. The project began in early 2023 and is expected to wrap up in spring 2025.

For more information about this work, see [here](#).



Air & Waste Management Association Conference Committee provides a sneak peek of its abstracts

The Air and Waste Management Association (A&WMA) will be holding its Annual Conference and Exhibition (ACE) in Calgary from June 24-27, 2024. At the September board meeting, a committee was struck to plan a session to promote CASA and its work during the A&WMA ACE.

To highlight CASA's multi-stakeholder partnership, the committee has submitted an abstract for a panel session that would provide an overview of CASA's consensus decision making model and how it has been applied to CASA's development of different air management frameworks and projects.

The committee has also submitted abstracts for standalone presentations on the ROVER III and Impacts of Reduced Transportation on Air Quality in Alberta

Associated with COVID-19 projects which would be more results-focused. The committee is expected to be notified of its submission status by January 31, 2024.

To follow along with this work, see [here](#).

Whiffs and Puffs

Plastic air pollution

CASA staff strives to keep in the loop of recent research and happenings in the air quality world. According to a recent article by Euronews Green, a study shows microplastics in clouds could be contributing to and speeding up climate change.

A variety of polymers and rubber were discovered in cloud water collected in Japen in surrounding Mount Fuji, the country's biggest mountain, and Mount Ōyama. Nine types of polymers and one type of rubber were found in the airborne microplastics. Overall, our findings suggest that high-altitude microplastics could influence cloud formation and, in turn, might modify the climate, the scientists shared. If the issue of 'plastic air pollution' is not addressed proactively, climate change and ecological risks may become a reality, causing irreversible and serious environmental damage in the future.

For more information about this article, see [here](#).

Upcoming Events and Meetings

- April 17, 2024 - Field Tour and Annual Recognition Event (Edmonton - TBC)
- April 18, 2024 - Annual General Meeting and Board meeting (Edmonton - TBC)
- September 12, 2024 - Board meeting (Calgary - TBC)
- December 05, 2024 - Board meeting (Edmonton - TBC)

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