



## Clean Air Sarnia Area

Co-Chair – Sarnia Lambton Environmental Association

Co-Chair – Ontario Ministry of Environment Conservation & Parks

### Meeting Minutes

Date	Time	Location	Frequency
November 3, 2022	13:00 – 15:00	SLEA Boardroom & Virtual via MS Teams	3 times per year
Supported Technology	Attendance		
<u>Microsoft Teams</u> Audio or Video Conferencing	Drew Erickson, BASES Tracy Krull, BASES Olwin Glover, Shell Christina Zimmer, IOL Jennifer Meharey, Suncor Kris Lee, Community Member Sandy Kinart, Victims of Chemical Valley Ada Lockridge, Community Member Jason Vaillant; BASES Jenna Devereaux, Shell  Annik White, RWDI Brianne Attard, MECP Bryan Prouse, City of Sarnia Cathleen O'Brien, Aamjiwnaang First Nation Courtney Jackson, Aamjiwnaang First Nation Cathy Grant, Aamjiwnaang First Nation Scott Grant, Aamjiwnaang First Nation Lujain Daghar, MECP Peter Rehbein, MECP Peder Garberg, MECP Jim Gilmore, MECP Janet Macbeth, Walpole Island First Nation Mallory Jutzi, MECP Larissa Wrightman, Walpole Island First Nation Crystal Lafrance, MECP Jason Lehouillier, MECP Lucas Malinowski, Canadian Fuels Association Dan McDonald, MECP Michelle Sich, INEOS Styrolution Rachel Melzer, MECP Sean Morrison, MECP Tony Munoz, MECP Hadi Sharifi, MECP Nathan VanBelois, RWDI Eric Ricciotti, UAW Labour Council		



## Clean Air Sarnia Area

Co-Chair – Sarnia Lambton Environmental Association

Co-Chair – Ontario Ministry of Environment Conservation & Parks

### Meeting Minutes

Sarah Robicheau, MECP  
Abby Salb, MECP  
Theresa Warren, Lambton Public Health  
Todd Murray, Suncor  
Glenda Prudom, Cabot  
Lynn Rosales, Aamjiwnaang First Nation

#### 1. Call to Order & Opening Comments

The meeting was called to order at 13:00 hours by Crystal Lafrance (MECP) as Co-Chair.

#### 2. Introduction of Participants

The group participated in a roll call to introduce themselves. This led to a discussion and request to update the CASA Members section of the website and include names and organizations in the meeting minutes.

**Action – MECP and SLEA to review CASA Members section of the website and include organization or association alongside participant names in the meeting minutes.**

The MECP provided an overview of the Sarnia District Office Heavy Industry Team (HIT). When the MECP started the Sarnia Air Action Plan in 2014/2015, the MECP created a position for a supervisor for heavy industry, and a focus for training and educational opportunities for the Environmental Officers (EOs) on this team. The team focuses on oversight and inspection of heavy industry facilities in the Sarnia area.

#### 3. Approval of Agenda & Past Meeting Minutes

Agenda confirmed. No revisions to July 21, 2022 meeting minutes were identified.

#### 4. Review of open actions

##### a. SLEA Capital Update

SLEA is finalizing the siting of the Scott Road station, as well as a meteorological tower which will be sited directly behind the sign on the VIP Rail property. The Sombra Line station was originally sited to monitor Lambton OPG emissions; as this facility is no longer here, SLEA is looking at how they can best utilize this equipment going forward. More information will be available in winter or early spring 2023.

##### b. Infographics

SLEA noted that if there is air quality information that the community would like to learn more about, gaps in current knowledge, or new ways that the community would like to see things, those thoughts are welcome. CASA can have a group discussion around the data we have available, and what we can do different or better.



## Clean Air Sarnia Area

Co-Chair – Sarnia Lambton Environmental Association

Co-Chair – Ontario Ministry of Environment Conservation & Parks

### Meeting Minutes

A question was asked about whether benzene is measured at the Ada (Lockridge) Rogers station, and if so, why you can't see it on the website. The MECP confirmed that benzene is measured on an hourly basis at this station, but is not available on the map page as the data requires a correction to adjust for downward drift in the monitor over time. Once the data is finalized (every six months or so), it can be downloaded on the CASA More Monitoring Data page. MECP and SLEA are working on a technical solution so that hourly benzene from this station can be viewed on CASA in near-real time.

A suggestion was made to add a note to the pop-up box on this station from the map page to indicate that benzene is monitored at this station, with a link to where the data can be found.

**Action** – SLEA to look into adding a note to the pop-up box on the Ada (Lockridge) Rogers station with a note that benzene is monitored at this station, and the link to where benzene data can be downloaded.

Kris asked whether it was possible to interface the various types of monitoring data available throughout the network (air monitors, fenceline monitors, stack monitors).

The MECP added that there have been two SO<sub>2</sub>-related regulatory updates since 2018. The flaring regulation (O. Reg. 530) and O. Reg. 88 require continuous emissions monitoring (CEM). Some of the data collected under these regulations will be required to be made publicly available. The MECP would like input and feedback so that when this information is shared, it is shared in a way that the information is understood.

## 5. Ministry Project Updates

### a. Sarnia Area Environmental Health Project (SAEHP)

The MECP provided a presentation with a status update on the SAEHP (see attached meeting materials). A final, public report is tracking for completion in spring or summer 2023.

A question was asked about whether the MECP's mobile air monitoring van results (the TAGA) was given to the consultants. The MECP explained that the TAGA surveys complete drive arounds at least twice a year, and provide a snapshot on a given day, but not a full year's dataset. Although this is extremely useful for some purposes, it is not the same type of data that is used to characterize overall air quality and included in the health study. A question was asked about data gaps for someone with no monitors close to their home. The MECP noted that they invested in a technical exercise of multi-source modelling for benzene, 1,3-butadiene, sulphur dioxide, fine particulate matter and benzo[a]pyrene to fill in gaps between monitors to get a more complete picture. Air quality can vary from block to block, which is why both monitoring and modelling are important to get a picture of air quality.

A question was raised about which comparison communities were selected. The MECP acknowledged that there was a lot of conversation at the Government Air Exposure Review Panel (GAERP) about comparison communities, and factors that were considered in this selection included communities with similar industries, communities of comparable size or



## Clean Air Sarnia Area

Co-Chair – Sarnia Lambton Environmental Association

Co-Chair – Ontario Ministry of Environment Conservation & Parks

### Meeting Minutes

geographical location, and those experiencing the same regional air influences (e.g. Ohio Valley). Communities in Alberta, Ontario, and the United States were selected (including the California Bay Area - specifically, around the Chevron facility in Contra Costa County).

b. Errnol Gray Sr. benzene monitor upgrade

The MECP provided an update on a new hourly benzene and 1,3-butadiene monitor which will replace the existing monitor at the Errnol Gray Sr. air monitoring station. This monitor is expected to be installed at the station in early 2023.

A question was raised about the MECP's thoughts on the performance of the new monitor (AMA) in comparison to the existing monitor (Chromatotec). The MECP has tested and used the new instruments at other locations in the province, and are satisfied with their performance, reliability, and accuracy.

## 6. New Business

a. Lambton Industrial Meteorological Alerts (LIMA) Regulation (O. Reg. 350) options  
*See presentation in meeting materials for additional background.*

Cathy Grant raised the topic of the LIMA regulation, which originated in the 1980s. This regulation is based on three SO<sub>2</sub> air monitoring stations in the CASA network and is now outdated. Cathy requested that the LIMA alert system be extended to all CASA network stations that measure SO<sub>2</sub>, and that the regulation be reviewed and revamped, including a review of the system for alerting people and selecting a more appropriate alert threshold. The underlying goal is to use one of the few regulatory tools that are available to address and reduce SO<sub>2</sub> on a cumulative level.

SLEA asked whether there have been any regulations that have come into effect since then that make this regulation redundant. Cathy noted that there are no regulatory tools or policies that address cumulative impacts of SO<sub>2</sub>. The MECP's cumulative impacts policy (referring to multiple sources of the same contaminant) does not include SO<sub>2</sub>, only benzene.

Scott Grant added that the LIMA regulation has utility but needs to align with the current standards (e.g. World Health Organization standards), as we consistently see concentrations >10-15 ppb over a 24-hour period in the area.

The MECP noted that the LIMA regulation only applies to certain sources at certain facilities, not the facility as a whole, and it may not be the appropriate tool to address short-term concentrations.

A question was raised about whether LIMA will become redundant with the new SO<sub>2</sub> regulations (Reg. 88) coming into affect. Scott noted that this regulation does not affect the coker at IOL or Cabot (and that Cabot does not fall under this regulation).



## Clean Air Sarnia Area

Co-Chair – Sarnia Lambton Environmental Association

Co-Chair – Ontario Ministry of Environment Conservation & Parks

### Meeting Minutes

The MECP noted that they are actively working on additional SO<sub>2</sub> requirements for the carbon black sector, which would include Cabot. Control measures will be included to bring levels of SO<sub>2</sub> down. Updating the LIMA regulation may or may not be the way to get at the concern that is being raised.

Several participants expressed that there is a need to drop the SO<sub>2</sub> concentrations and get a new regulation in place.

Walpole Island First Nation noted that LIMA is something that is available, and including all stations in the alerts would add relevancy to this regulation. This is an extremely reasonable ask and something that can be done right now.

The group suggested including an update on this topic at the next meeting.

**Action:** the MECP will relay to the appropriate ministry staff and senior management that CASA has made a specific request to update the LIMA regulation to include the additional network stations.

#### 7. General Information Updates – Roundtable

No additional items raised.

#### 8. Adjourn & Confirm Next Meeting

SLEA will chair the next meeting in early 2023.