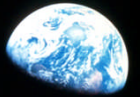




# MOPIA • BULLETIN

LEADERS IN OZONE LAYER & CLIMATE PROTECTION



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## MOPIA, CIER and Island Lakes First Nations Leading the Way!



Manitoba's premier class of First Nations students from Garden Hill, St. Theresa Point and Wasagamack (Island Lakes First Nations)

MOPIA, in collaboration with The Centre for Indigenous Environmental Resources (CIER), offered ozone depleting substances and environmental certification training to a group of 17 students from three First Nations in the Island Lake communities on February 28. Garden Hill and the surrounding First Nations are remote, fly-in or winter ice road accessible only. Valeria Kuzivanova from CIER and Mark Miller (MOPIA) coordinated the training which is a first time initiative for Manitoba and unique to Canada.

The combined First Nation Island Lakes communities have upwards of 5,000 vehicles that have not been decommissioned (refrigerant recovered) and no less than 1,000 white goods. These units have been accumulating for generations and with this training, First Nations staff within the communities will be able to recover the refrigerants safely, properly and economically.

Training people locally is a huge step forward to empowering the community and self-reliance moving away from the dependence on non-indigenous businesses and contractors for specialized services.



[www.yourcier.org/](http://www.yourcier.org/)

<http://cipnp-fnpim.aadnc-aandc.gc.ca/index-eng.html>

Map from Indigenous and Northern Affairs Canada, Government of Canada

## Ozone Hole over Western Canada Seen in February 2018

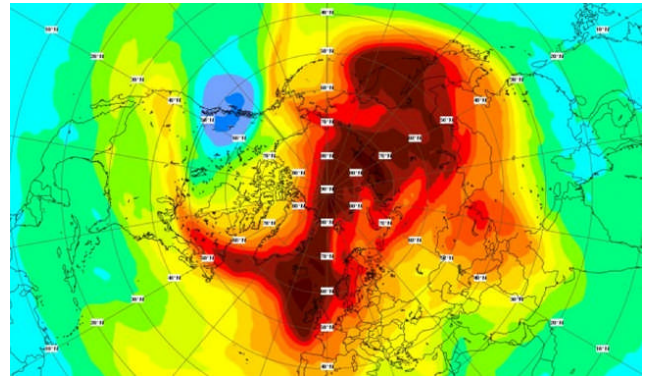


Photo courtesy of Copernicus Atmosphere Monitoring Service

The Copernicus Atmosphere Monitoring Service (CAMS), known as the European Union's Earth Observation Programme, forecast the appearance of a mini-ozone hole over Western Canada during the early part of February 2018 through various modelling profiles. The forecast was correct and was seen as a unique event as the topography of the northern continents usually prevents the formation of polar stratospheric clouds which contain chlorine and in turn react to the sun's UV creating these unique pockets of severe ozone depletion. CAMS predicted the mini ozone hole would dissipate to the east over time, which it did.

<https://atmosphere.copernicus.eu/news-and-media/news/mini-ozone-hole-predicted-copernicus-atmosphere-monitoring-service-appears-over>

## MOPIA's 24th AGM is April 10

Everyone is welcomed... MOPIA will be hosting our 24<sup>th</sup> Annual General Meeting and it includes an opportunity for members to be elected to our Board of Directors. To become a candidate for MOPIA's Board of Directors, one must first become a steward member. For \$20 (annually), one is assigned voting rights and the capacity to become eligible to be a Board candidate upon being nominated. Nomination forms and more details may be obtained by contacting MOPIA. MOPIA continues to strive for diversification and inclusion on our Board of Directors.

Board candidates are elected by our membership at MOPIA's 24<sup>th</sup> AGM which will be held on Tuesday evening, April 10, 2018 at a location to be determined. Watch for details on our website coming soon...



MOPIA.CA



# MANITOBA OZONE PROTECTION INDUSTRY ASSOCIATION

1082 MAIN STREET, WINNIPEG, MB, CANADA R2W 5J3

WWW.MOPIA.CA • EMAIL: MOPIA@MTS.NET • PHONE 204.338.2222 • 888.667.4203



## Next Certification Training Class Saturday, April 14



MOPIA will be hosting our next one-day certification class on Saturday, March 14 in Winnipeg at Red River College.

Participants must register in advance by contacting MOPIA. The cost of participating is \$185 per student.

This certification is required for anyone intending to handle regulated refrigerants – any part of the gas lines. It is also necessary for purchasing regulated refrigerants and any parts connected to the closed refrigerant loop of an A/C or refrigeration system.

## SNAP USA EPA Withdrawals 3 Flammable Refrigerants

On February 28, 2018, the US Environmental Protection Agency (EPA) issued a Withdrawal Notice for the 12/11/2017 Direct Final Rule to modify the use conditions required for the use of 3 flammable refrigerants including isobutane, propane and R441a in new household refrigerators, freezers and combination refrigerators and freezers under the Significant New Alternatives Policy (SNAP). [www.epa.gov/snap/advanced-version-withdrawal-notice-12112017-direct-final-rule](http://www.epa.gov/snap/advanced-version-withdrawal-notice-12112017-direct-final-rule)

## Alaska Ice Rink Coverts to CO<sub>2</sub>



The ice rink in Wasilla, Alaska will be retrofitted from the original HCFC 22 refrigerant system to a new (R-744) CO<sub>2</sub> system over this coming summer. The cost of the retrofit was pegged at about \$3 million in a city with a population of 8,000.

See: <https://refrigeranthq.com/alaskan-ice-rink-converting-r-744-co2/>

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## Get to Know One of Your MOPIA Board of Directors



Laverne Dagleish is one of MOPIA's experts in the foam and energy efficiency sectors.

He has been actively involved with MOPIA since 1994 and in the construction industry for over 3 decades and has specialized in building envelopes, energy efficiency and building performance.

Laverne is a frequent presenter across North America on a variety of topics as they relate to building envelopes, energy efficiency, green building practices, standards and quality of construction. Laverne is actively involved in the standards development process and has been involved with International Organization of Standardization (ISO) for over 2 decades, traveling around the world to develop standards for the industry. A big believer in scientific research, Laverne has been a leader and participated in a number of commercial and residential building research projects with groups such as Oak Ridge National Laboratories, Syracuse University, University of Waterloo and National Research Council of Canada. Laverne has been involved in a number of utility demand side management programs and worked with various government departments across North America such as the U.S. Department of Energy, Natural Resources Canada, Environmental Protection Agency, Environment Canada and Canada Mortgage and Housing Corporation.

## Resource Corner

**Government of Manitoba**  
Manitoba Sustainable Development ODS Act/Regulation  
<http://web2.gov.mb.ca/laws/statutes/ccsm/o080e.php>  
<http://web2.gov.mb.ca/laws/regs/annual/2005/178.pdf>  
<https://www.gov.mb.ca/sd/envprograms/index.html>

**NASA Ozone Watch & Ozone Home Page**  
<https://ozonewatch.gsfc.nasa.gov/>  
<https://www.nasa.gov/ozone>

**International Institute of Sustainable Development**  
[www.iisd.org](http://www.iisd.org)

**International Institute of Refrigeration**  
<http://iifir.org/medias/medias.aspx?instance=EXPLOITATION&SETLANGUAGE=EN>

**United Nations Environment Programme "OzoNews"**  
<http://web.unep.org/ozonaction/>