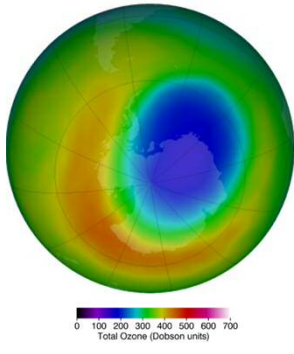


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### Ozone Depletion in October 2019

October 2019



NASA's Ozone Watch website highlights the daily images, data and related information on the Antarctic (Southern Hemisphere) Ozone Layer. Statistics have been available for over 40 years.

The largest ozone depletion (ozone hole) was recorded in September 2006. At that point, it was larger than the geographic size of North America.

See more statistics at NASA's website below:

<https://ozonewatch.gsfc.nasa.gov/monthly/SH.html>

Photo credit: NASA (GSFC)

### HFC Non-refillable Refrigerant Containers Prohibited for Import into Canada



Environment and Climate Change Canada issued a Fact Sheet on the Import of HFC Refrigerant Containers.

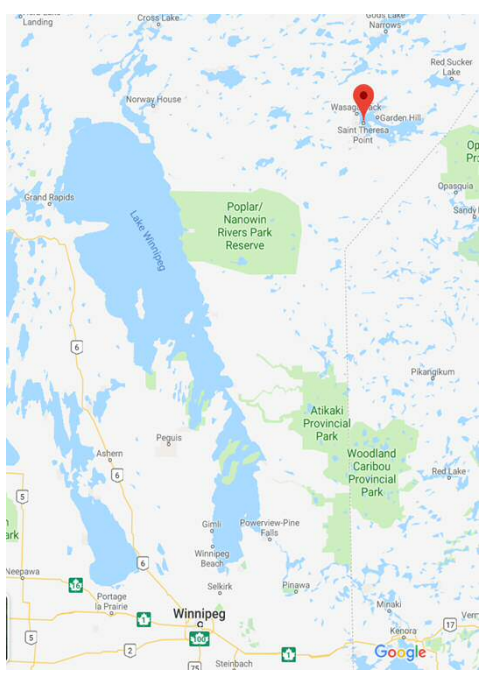
All refrigerant containers imported into Canada must be refillable as regulated under Canada's Ozone-depleting substances and Halocarbon

Alternatives Regulations. Small cylinders are widely available in the USA and so cross-border importation/shopping is seen as a threat. See the Regulation at:

[www.canada.ca/en/environment-climate-change/services/air-pollution/issues/ozone-layer/depleting-substances-halocarbon-alternatives-regulations.html](http://www.canada.ca/en/environment-climate-change/services/air-pollution/issues/ozone-layer/depleting-substances-halocarbon-alternatives-regulations.html)

### MOPIAs Training First Nation Members in Northern Manitoba

Manitoba, located at the centre of Canada, is unique to the world in having 63 First Nation, Indigenous communities with 130,000+ persons. Manitoba's geographic size is just smaller than Egypt.



Many of these First Nations do not have all weather roads, so access is only by plane or ice roads during the winter season.

MOPIA provided training at Island Lake including the First Nation communities of Garden Hill, Wasagamack and St. Theresa Point in early October (the red flag above highlights Island Lake located approx. 610 kms northeast of Winnipeg).

MOPIA's training will allow First Nations to empower local community members to recover high GWP refrigerant gases from cars, fridges and other refrigerant containing air conditioning equipment within their community.

In addition, we are reaching out to various developing nations who may benefit from our expertise and knowledge on implementing a successful ODS management initiative.

### Montreal Protocol Kigali Amendment Gaining Ratification

The Kigali Amendment to the Montreal Protocol is among the most effective international directives to control potent GWP chemicals primarily hydrofluorocarbons (HFCs).

The Kigali Amendment came into force under the Montreal Protocol on January 1, 2019. This Amendment may avoid up to .04C of global warming. Lesotha is the 87<sup>th</sup> Nation, so far, to ratify the Amendment internationally See: <https://ozone.unep.org/kigali-amendment-implementation-begins>



# 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



## Training Oct. 19 & Nov. 30



MOPIA will be hosting our next one-day certification class on Saturday, **October 19<sup>th</sup>** and November 30<sup>th</sup> in Winnipeg. Additional training/locations may be added when there is enough interest. Any person working on the gas side of an air conditioning, and/or HVAC/R system requires this provincial certification under Manitoba Regulation 103/94.

Persons who require this certification should register in advance by contacting MOPIA by email ([mopia@mymts.net](mailto:mopia@mymts.net)) or phone (1.888.667.4203). The cost of participating is \$185 per student.

The one-day class typically runs from 8 am – 5 pm with an exam. For those unable to attend an onsite/in-class setting, living in remote rural communities or other circumstances, you may be eligible to do the class via correspondence.

## MOPIA Info Bulletins

**Regulated Refrigerants include CFCs, HCFCs and HFCs**

The Manitoba Ozone Protection, Reduction, and Other Measures Regulation (MOPR) lists all regulated refrigerants. They include CFCs, HCFCs and HFCs, such as R22, R12, R134a, R404A and their various blends. This regulation is a valid Manitoba certification and may be used for charging, recovery or A/C system repair.

**Refrigerant containers must be certified.** They must be certified by the manufacturer to meet the requirements of the regulation. For more details visit: [www.gov.mb.ca/sd/eng/programs/industry/475.html](http://www.gov.mb.ca/sd/eng/programs/industry/475.html)

**All Parts (new or used) Connected to the Closed Refrigerant Loop are Regulated\***

These products include but are not limited to items such as:

- Compressors
- Manifolds
- Flares
- Hard Tap Tools
- Flare Wrenches
- Expansion Valves
- Condensers
- Coils
- Filter Dryers

\*Not applicable when working with open loop systems.

**Who can purchase Regulated Refrigerant(s) and A/C Equipment & Parts?**

Only companies who have a valid Manitoba Ozone Protection permit and are individuals who are registered as Manitoba Ozone Certified Technicians may acquire, purchase or import regulated products into the province of Manitoba.

**Significant financial penalties**

It is a violation to sell any regulated product to a person or company who does not have a valid permit number or to a person who is not certified in the Province of Manitoba. If you are a seller of any regulated products (charging stations for the closed loop system or other equipment), you must ensure that you and the person(s) to whom you are selling the product are registered in Manitoba. Significant penalties will be levied on anyone who contravenes this regulatory requirement. Penalties range from \$1000 to \$10,000 for selling regulated products to an unqualified person. Penalties also apply to those who sell regulated products to an unqualified person. For more information visit: [www.gov.mb.ca/sd/eng/programs/industry/475.html](http://www.gov.mb.ca/sd/eng/programs/industry/475.html)

**DO NOT B.I.V. DO IT RIGHT**

MANITоба HAS AN OZONE-FRIENDLY? **DO NOT B.I.V. DO IT RIGHT**

MOPIA has several information Bulletins designed to guide our stakeholders and the public about regulated products and services. Our Compliance Guide is also a useful handy reference. Check them out at our website. [www.mopia.ca](http://www.mopia.ca)

This Regulated Products Bulletin was prepared for you by: MOPIA Inc. Contact us for more info: [www.mopia.ca](http://www.mopia.ca) or 204.338.2222 / 3.888.667.4203 1082 Main Street, Winnipeg, Manitoba, Canada R2W 5J3

## 31<sup>st</sup> Meeting of the Parties to be held in Rome, Italy



The 31<sup>st</sup> Meeting of the Parties (MOP) to the Montreal Protocol is taking place in Rome, Italy, November 4-8, 2019. MOPIA will be attending this MOP and will host a side-event to share information. MOPIA representatives have also seen the MOPs as an opportunity to learn, dialogue with government specialists, scientists and become educated about emerging technologies and issues that may affect our stakeholders. See details: <https://ozone.unep.org/home>

See the Montreal Protocol Timeline at:

<https://ozone.unep.org/ozone-timeline>

## Manitoba Association of Regional Recyclers Meeting

MARR is hosting their annual Manitoba Community Recycling and Waste Reduction Forum in Winnipeg on October 29 & 30. Visit MOPIA's booth. See more at:

[www.marrmb.com/fall2019/index.html](http://www.marrmb.com/fall2019/index.html)

## Key Contact Websites

**NOAA and NASA**

[www.noaa.gov](http://www.noaa.gov) [www.nasa.gov](http://www.nasa.gov)

**Government of Manitoba**

**Manitoba Sustainable Development ODS Act/Regulation**

<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)

**United Nations Environment Programme "OzoNews"**

<http://web.unep.org/ozonation/>

**Environment & Climate Change Canada - Enforcement Notes**

[www.ec.gc.ca/alef-ewe/default.asp?lang=En&n=8F711F37-1](http://www.ec.gc.ca/alef-ewe/default.asp?lang=En&n=8F711F37-1)

**Health Canada – Sun Safety**

<https://www.canada.ca/en/health-canada/services/sun-safety.html>

UV radiation can burn and cause skin cancer and cataracts. Ever wonder what your local UV levels are daily, check out The Weather Network at:

[www.theweathernetwork.com/ca/forecasts/uv/manitoba/winnipeg](http://www.theweathernetwork.com/ca/forecasts/uv/manitoba/winnipeg)

[https://weather.gc.ca/forecast/public\\_bulletins\\_e.html?Bulletin=fp](https://weather.gc.ca/forecast/public_bulletins_e.html?Bulletin=fp)