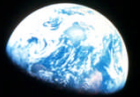




MOPIA • BULLETIN

LEADERS IN OZONE LAYER & CLIMATE PROTECTION



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Landmark HFC Amendment Enters Into Force

	Non-A5 (developed countries)	A5 (developing countries) Group 1	A5 (developing countries) Group 2
Baseline HFC component	2011-2013 (average consumption)	2020-2022 (average consumption)	2024-2026 (average consumption)
Baseline HCFC component	15% of baseline	65% of baseline	65% of baseline
Freeze	-	2024	2028
1st step	2019 - 10%	2029 - 10%	2032 - 10%
2nd step	2024 - 40%	2035 - 30%	2037 - 20%
3rd step	2029 - 70%	2040 - 50%	2042 - 30%
4th step	2034 - 80%	-	-
Plateau	2036 - 85%	2045 - 80%	2047 - 85%
Notes	Belarus, Russian Federation, Kazakhstan, Tajikistan, Uzbekistan. 25% HFC component and 1st two steps are later: 5% in 2020, 35% in 2025	Article 5 countries not part of Group 2	GCC (Saudi Arabia, Kuwait, United Arab Emirates, Qatar, Bahrain, Oman), India, Iran, Iraq, Pakistan

The Kigali Amendment to the Montreal Protocol aimed at the worldwide phasedown of HFCs came into effect on January 1, 2019!! Developed nations will start phasing down HFC production beginning this year and continue in the years ahead according to the agreed upon timelines, which can be seen via the links below.

It has been projected that without the phasedown of HFCs globally, HFCs as potent greenhouse gases would have contributed an upwards impact of 12% of all greenhouse gas by 2050. HFCs are among the most potent and harmful greenhouse/climate change substances having Global Warming Potentials (GWPs) ranging between 50-15,000.

This new Amendment has a direct effect on the HVAC/R and many other manufacturers using HFCs. Equipment manufacturers will have to innovate and eventually move away from the use of any HFCs. In fact, Europe, the Pacific Rim nations (i.e. Japan) and others have already introduced the use of HFOs and other climate friendly alternatives such as hydrocarbons and carbon dioxide in various types of equipment or applications.

Nations including Canada have already introduced manufacturing equivalent phase-out timelines for HFCs. For instance, in Canada, no new automobile may be manufactured or imported containing an HFC beginning in 2021. Other restrictions are in place or will be implemented to ensure Canada meets the obligations under this amendment under The Montreal Protocol.

www.gazette.gc.ca/rp-pr/p2/2017/2017-10-18/html/sordors216-eng.html

<http://web.unep.org/ozonaction/resources/ozonaction-library>

http://ozone.unep.org/sites/default/files/FAQs_Kigali_Amenment.pdf

Next Certification Training Session is February 2 in Winnipeg



Mr. Botho Kramer instructing a certification class held at Red River College, Nov. 2018

MOPIA will be hosting our next one-day certification class in Winnipeg on Saturday, February 2. Anyone working on the gas side of an air conditioning/refrigeration system requires this certification under Manitoba Regulation 103/94. In Manitoba, over 15,000 people have received certification since 1993. It is mandatory across Canada and similar training is required in the USA and other parts of the world in an effort to ensure refrigerants are safely used and captured.

Persons interested should register in advance by contacting MOPIA by email (mopia@mymts.net) or phone (see above). The cost of participating is \$185 per student.

The one-day class typically runs from 8 am – 6 pm with the exam. Our next class date has not yet been set and depends on the number of persons registered including the location. MOPIA has held classes in Brandon, Thompson, Winkler and on First Nation communities across Manitoba and is prepared to offer classes if there are enough participants. On-line and video link instruction is currently unavailable but under consideration.

MOPIA and The Enforcement Branch of Manitoba SD to Meet

MOPIA and Environment Officers with Manitoba Sustainable Development plan to meet in Winnipeg later this month to share information and dialogue on a variety of key issues relating to the Manitoba ODS Regulation including techniques for enforcement. MOPIA's aim is to ensure all stakeholders are in compliance and that those who contravene it or are in non-compliance with the Regulation are identified and are brought to bare the consequences. Non-compliance by persons include penalties of up to \$50,000 and/or 6 months in prison with companies having penalties of up to \$500,000, both just on a first offense!



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Specific Permit Requirements for Companies

SECONDARY DISTRIBUTOR PERMIT

MANITOBA OZONE DEPLETING SUBSTANCES AND OTHER HALOCARBONS REGULATION 103/94



ISSUED TO

SAMPLE COMPANY

PERM. #
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SAMPLE

This Secondary Distributor permit issued at Winnipeg, Manitoba, Canada valid to and expiring on December 31, 2019, allows the permittee to import and / or purchase an ozone depleting substance or equipment containing an ozone depleting substance in accordance with the Ozone Depleting Substances and Other Halocarbons Regulation 103/94 pursuant to The Ozone Depleting Substances Act.

Neil Cunningham,
Director, Climate Change and Air Quality Branch



If your company purchases and/or imports into the province regulated products (i.e. any parts attached to the closed refrigerant loop) or any regulated refrigerants (i.e. HCFCs, HFCs), your company should have a Secondary Distributor (SD) Permit. The SD Permit allows your company to purchase, import and have in possession regulated products. The company should be acquiring the products for which any of their technicians are handling.

There are over 550 companies in Manitoba that typically have the annually issued SD Permit issued through MOPIA.

The cost is \$50 as specified in the Manitoba ODS and Other Halocarbons Regulation 103/94. Companies that should have the permit include all wholesalers, distributors, auto dealers, agricultural implement dealers and the various air conditioning and refrigeration service companies among others. Contact MOPIA if you need more info or for an SD Permit application form. Also on-line at: www.mopia.ca

Let MOPIA know if you need more details or would like to apply for a 2019 SD Permit or visit our website for the application. Also, advise us or a Manitoba Environment Officer directly if you know of a company that may be obtaining regulated items wrongfully as penalties for these instances are up to \$500,000 on a first offence. www.gov.mb.ca/sd/eal/

MOPIA Releases New Compliance Information Bulletins



Want to know what products or equipment is regulated in Manitoba, check out MOPIA's updated Bulletin on Regulated products. How about what is required to purchase regulated products, these can all be seen at www.mopia.ca

MOPIA Offers Training and will Participate at Workshop in Thompson, Manitoba



On February 5-7, MOPIA will be participating in and offering certification training in Thompson at the Northern Recycling/Waste Workshop for northern Manitoba communities.

The Workshop is focused on white goods and small appliance stewardship this year.

It is a unique opportunity to share information, dialogue with participants, provide capacity and expertise.

MOPIA will provide details on the outcomes of the workshop in our February Bulletin and on our website.

Resource Corner

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

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

Kigali Amendment of The Montreal Protocol
www.unenvironment.org/news-and-stories/press-release/world-takes-stand-against-powerful-greenhouse-gases-implementation
www.youtube.com/watch?v=Ttv-OcvnsaY

Environment & Climate Change Canada - Enforcement Notes
www.ec.gc.ca/alef-ewe/default.asp?lang=En&n=8F711F37-1

European Commission – Ozone Protection
https://ec.europa.eu/clima/policies/ozone_en

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