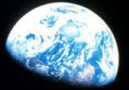




# MOPIA E-BULLETIN



**STRATOSPHERIC OZONE LAYER & ATMOSPHERE PROTECTION**

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## India Stalls Progress on Montreal Protocol Amendments to Include and Control HFC's



The 25<sup>th</sup> Meeting of the Parties (MOP) to the Montreal Protocol took place in Bangkok, Thailand: 21-25 October. MOPIA's Chairperson of the Board of Director's, Meghan Johnson and Executive Director, Mark Miller (seen above) represented MOPIA.

The timing to control HFC's, under proposed amendments to the Montreal Protocol by Canada, the USA and Mexico and one by Micronesia, seemed ideal especially with recent assertions on HFC's through announcements by US President Obama, China and members of the G-20 (in September). However, India postured once again to the disappointment of many that HFC's should not be dealt with under the Montreal Protocol as they are chemicals to be controlled by the Kyoto Protocol. Much of the conference was focused on the justification of why they should or should not be included under the Montreal Protocol. India even suggested that US President Obama was pressuring their Prime Minister and it was not really their desire to control HFC's under the Montreal Protocol, rather Kyoto.

India and various other developing nations fear practical and proven alternatives are not available to them for industry to adopt outside of the current regime of HCFC's and HFC's.

After attending the 25<sup>th</sup> MOP, MOPIA is better positioned to understand the emerging new refrigerants and technologies, enforcement issues, training challenges and the way forward.

See: <http://www.iisd.ca/vol19/enb19100e.html>

## New Refrigerant HFO 1234yf in Select 2014 Autos



Chrysler's new 2014 Jeep Cherokee is the first new automobile to have been discovered (in Manitoba) to have the new non ozone depleting, low global warming alternative refrigerant, HFO 1234yf. Are there others?...let us know!

This new refrigerant was developed by chemical producers Honeywell and Dupont. It was first contentiously introduced in Europe about a year ago. Concerns regarding flammability, claims of uncertain environmental impact and its global warming potential of 4, vs. 1300 for HFC 134a have all been key issues, so far. Despite all that, the product is essentially unregulated in Manitoba (and Canada) and questions remain how Manitoba Public Insurance and Transport Canada will classify it. As for now, technicians will want to contain and recover it as its' cost is extremely high, retailing currently at just over \$140 per pound!

See: <http://macsworldwide.wordpress.com/2011/05/27/10-questions-and-answers-about-hfo-1234yf/>

[http://www2.dupont.com/hfo1234yf/en\\_US/index.html?src=gq\\_refrig-HFO\\_hfo-1234yf](http://www2.dupont.com/hfo1234yf/en_US/index.html?src=gq_refrig-HFO_hfo-1234yf)

## RSES Education Webinar on Understanding Head Pressures

Tuesday, November 26 is the next live webinar hosted by RSES Manitoba at 1800 (6pm) CST (Manitoba).

Their special guest is Andrew McKinney (EIT Technical Sales Representative) with KeepRite Refrigeration. He will speak on "Understanding Head Pressure Control."

You may join this webinar (free) at:

<https://sas.illuminate.com/site/external/launch/meeting.jnlp?sid=2010018&password=M.B1D445B8DFE8C95156E9059D67>

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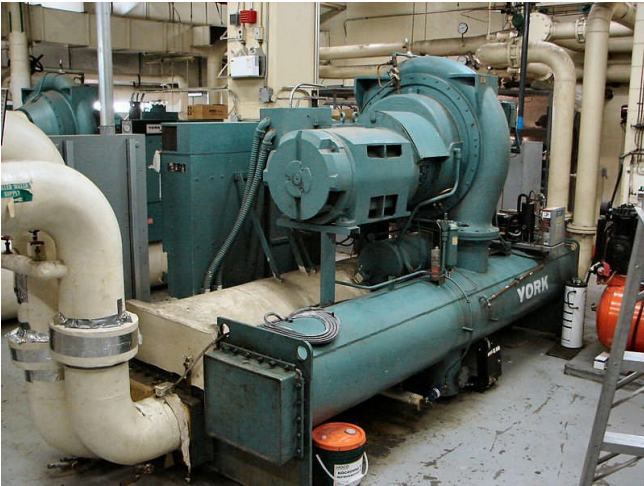




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## CFC Chiller Ban is Effective January 2015



All CFC containing/operating chillers in Manitoba must be either retrofitted with a non CFC refrigerant or be decommissioned before January 1, 2015. This is not a new regulatory requirement, rather it has been a mandated necessity for nearly ten years under Manitoba's Ozone Depleting Substances and Other Halocarbon's Regulation 103/94. The proper disposal of CFC's is also necessary which likely includes the involvement or services of Refrigerant Management Canada (RMC). They are Canada's refrigerant product stewardship agency set-up to assist industry in this process.

See RMC's website at:  
<http://www.refrigerantmanagement.ca/>

For more information on this regulatory requirement, you may contact MOPIA directly.

## New Videos: Cooling Without Warming the Planet and Arctic Ozone Depletion, Released

Two new videos released during side events at the 25<sup>th</sup> MOP can now be seen.

The videos are useful in depicting the vital importance of the ozone layer. See them at:

<http://www.youtube.com/watch?v=1OpiyCiDOJs>

<http://www.youtube.com/user/ozonaction>

## Stroll in Bangkok Locates CFC-12



CFC-12 or R12, a highly potent ozone depleting substance and refrigerant, banned in production since 1996, was located easily in auto service shops in Bangkok. MOPIA's Mark Miller (and another conference delegate) found R-12 prominent.

Globally, CFC-12 is (obviously) still circulating and tighter controls or enforcement compliance actions are warranted to prohibit its continued trade/use in various applications and its responsible recovery. CFC world-wide production ceased in 2010 but countries continue to allow its use in some applications or may be unaware of its prevalence.

In Manitoba, CFC 12, along with other CFC's, are not permitted to be added under any circumstance to any air conditioning system(s), except for chillers that have permits which will all expire January 2015 and white goods (i.e. fridges and freezers).

## Global Resource Corner

Besides MOPIA attending the 25<sup>th</sup> MOP, several other organizations are present on their own missions. Many are there for specific purposes, to advocate environmental responsibility, some to lobby participants for their products and others to express their positions on various issues or policies. Take a glance at their website:

Environmental Investigation Agency (UK and USA)  
<http://www.eia-international.org/media?cat1=196&cat2=10>

International Institute of Refrigeration (France/Europe)  
<http://www.iifir.org/medias/medias.aspx?instance=EXPLOI TATION&SETLANGUAGE=EN>

Hydrocarbons21 (Belgium):  
<http://www.hydrocarbons21.com/>

Alliance for Responsible Atmospheric Policy (USA)  
<http://www.alliancepolicy.org/>

