



MOPIA E-BULLETIN



STRATOSPHERIC OZONE LAYER & ATMOSPHERE PROTECTION

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High Chlorine Levels Found in Arctic Region



A new study recently released and supported by the US based National Science Foundation, (http://www.nsf.gov/news/news_summ.jsp?cntn_id=130151&org=NSF&from=news) highlights that melting ice in the Arctic is releasing significant amounts of chlorine and bromine stored in the ice, among other elements such as mercury, deposited from coal burning plants around the world.

These releases are contributing to our globes challenges of ozone loss and climate change. More research is necessary to determine how sea salt transforms into molecular chlorine.

See also: www.nature.com/ngao/index.html

Heineken Chooses Hydrocarbon Energy Efficient Fridges



**93%
OF NEW
FRIDGES
ARE GREEN**

Heineken has over 800,000 beer coolers around the world and some 65% of these use hydrocarbons as their refrigerant, as well as, LED lighting. This chose has demonstrated energy efficient savings of 38% or more, making the selection wise even when the units initially cost approximately 15% higher.

Heineken plans to distribute 130,000 new green fridges each year to eventually achieve 100% operating on natural refrigerants.
See: www.sustainabilityreport.heineken.com/improve/green-commerce/cooling.html

RSES Manitoba Event at RRC



Refrigerant handling, system evacuation and instrumentation devices will be the topic covered by industry specialist Chris Mueller (Electrical Engineer) on February 19 at Red River College (Winnipeg, Manitoba) in the Refrigeration Lab (Bldg. B) beginning at 6:30 pm.

This event is being hosted by the Manitoba Chapter of the Refrigeration Service Engineers Society. It is free and open to all. The one-time session will be a hands-on event so mark your calendar for this unique evening at Red River College.

For more details, please email Brian Baker at custom@customvac.mb.ca

Coca Cola's 1 millionth HFC Free Cooler Installed



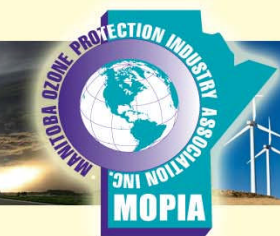
On January 22, 2014, the Coca-Cola Company issued a statement it had deployed their 1 millionth HFC refrigerant free vending cooler.

The vending machines use natural refrigerants for cooling, including carbon dioxide. Red River College in Winnipeg has some of these machines, so they are even located locally.



Coca-Cola's goal is to have 100% HFC free machines by 2015. Pepsi-Cola is also committed to achieving a similar target in their aim to reduce their global carbon footprint by increasing each soft drink vending machines' energy efficiency.

www.coca-colacompany.com/press-center/press-releases/coca-cola-installs-1-millionth-hfc-free-cooler-globally-preventing-525mm-metrics-tons-of-co2



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



Enforcement Actions

Well the days of the ball and chain have come and gone but tough financial penalties and imprisonment have replaced them. For those who intentionally vent refrigerant, or disregard doing refrigerant records, these penalties do exist.



Environment Officers with both Manitoba Conservation and Environment Canada work throughout our province to scrutinize and enforce compliance. Not unlike the Canada Revenue Agency, they rely partly on tips. So, if you know of any business or person intentionally circumventing or intentionally disregarding their regulatory responsibilities, you may help by contacting an Environment Officer with this information for them to follow-up.

Penalties for non-compliance are significant, including up to \$50,000 and imprisonment for a person on a first offence. Penalties for companies are 10 times as much.

Environmental crimes are against everyone! Be Part of the Solution! Help identify persons in non-compliance by reporting them to your closest Environment Officer. Offices are located throughout Manitoba. See: www.gov.mb.ca/conservation/contact/regional_contact.html

His Serene Highness Prince Albert of Monaco Wins

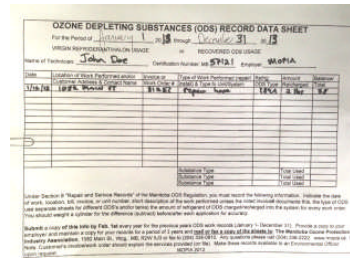


On February 1, 2014, His Serene Highness, Prince Albert of Monaco was named the global winner of the world's most prestigious and valuable environmental award, The Zayed Environmental Prize, worth \$1 million.

He was recognized for his Foundations environmental work and his ongoing focus on climate change in the Arctic.

See: www.zayedprize.org.ae/

Compliance Reminders....



Refrigerant Records are now due: All certified technicians must submit records of all refrigerant (i.e. CFC's, HCFC's, HFC's) use to MOPIA for the 2013 calendar year.

These are due now. Even if you have not used any regulated refrigerant(s), we must also be advised.

Secondary Distributor Permits: Companies that are ordering or importing regulated products may opt obtain a Secondary Distributor Permit now. These Permits are based on the Calendar (2014) year and are available through MOPIA.

CFC Chiller Decommissioning: Anyone operating a CFC refrigerant chiller in Manitoba must cease or decommission this unit by the end of the year, December 31, 2014. This mandatory requirement has been in place for several years and our province will be CFC chiller free before 2015.

Events Corner



There are many trade sector and industry events happening locally and around the world. Let us know if you have any planned and we'll make them known here:

RSES Manitoba Refrigerant Handling (Feb. 19 @ 1830)
At Red River College with special guest Chris Mueller
For more details email: custom@customvac.mb.ca
www.rses.org/

ASHRAE 2014 Annual Conference June 28 – July 2
Seattle, USA (Home of the 2014 Super Bowl Champions)
www.ashrae.org/membership-conferences/conferences/2014-ashrae-annual-conference

ATMOsphere America June 14-15, 2014
San Francisco, USA
www.atmo.org/events.details.php?eventid=23



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