



Manitoba

MOPIA

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UNEP DTIE's Ozzy Ozone www.ozzyozone.org/

Stratospheric Ozone Layer & Atmosphere Protection

MOPIA's Monthly E-Bulletin for our Subscription Members and Select Stakeholders

CO2 (R744) Replaces HFC 134a



Germany's largest transport provider has retrofitted some of their buses that have HFC 134a air conditioning systems with CO₂ as the refrigerant.

This is a global first and a real-life test of public transport using CO₂ refrigerant in air conditioning. If the results are favorable, the transport provider is willing to retrofit more and eventually all of their fleet with CO₂. Currently, this has been done to seven of Berlin's city buses. Germany's Federal Environment Ministry is urging all public transport suppliers to adopt CO₂ air conditioning as a standard.

In 1993, only 5% of all new city buses in Germany were equipped with air conditioning. This rose to 64% in 2008. All long-distance coaches today are equipped with air conditioning. They have an average leakage rate of 13.3% for new coaches and 13.7% for new city buses and with this, all German buses together emitted 100 tonnes of R134a in 2008 alone. This is the same as 140,000 tonnes of CO₂ equivalents every year, or the total tailpipe emissions from 90,000 efficient small cars.

Winnipeg Transit first introduced air conditioning in some of its fleet of 500 city buses (approximately 33) in 2008 with another 30 planned afterwards. These systems run on HFC 134a, a refrigerant with a high global warming potential (GWP) and a substance being targeted for significant reduction in Europe and other parts of the world.

Information Credit, see: www.r744.com

Keeping our members informed!!

MOPIA Across Manitoba

MOPIA presented information in several communities across Manitoba during May and June as part of our program awareness sessions for our stakeholders. MOPIA's Executive Director and Chair highlighted MOPIA's past year accomplishments, presented new environmental info and industry trends. Most important, MOPIA received feedback from our members and stakeholders on a host of issues including health and safety of new refrigerants, suggestions for regulation amendments, enforcement and compliance concerns and awareness of regional or local issues.



Participants at one of MOPIA's awareness sessions, pictured above and below.

The communities MOPIA hosted events in these past months included Winkler, Portage la Prairie, Winnipeg, Brandon, Dauphin, Selkirk, Morris and Steinbach. MOPIA has done these awareness sessions for four years and plans to host them again throughout Manitoba in 2011. Some new locations will be offered to ensure we reach our stakeholders across Manitoba.



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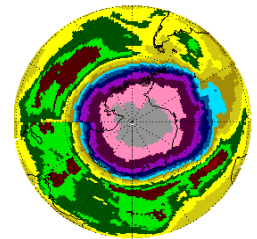


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13th OEWG Meeting Results

Officials from UNEP, the World Bank, UNFCCC and about 130 (countries) Parties to the Montreal Protocol met in Geneva, Switzerland June 15-18 as part of the 13th Meeting of the Open-ended Working Group of the Parties of the Montreal Protocol. The meeting was co-chaired by a representative from Environment Canada, Mr. Martin Sirois.

It was noted that 2010 is a milestone year in that the developing nations ceased the production of CFC's.

June marked the 20th Anniversary of the Multilateral Fund. This fund is supported by contributions by the developed world and has assisted to initiate innovative ODS phase-out projects in developing nations.

Two proposals to amend the Montreal Protocol to include HFC's were initiated. One by Canada, Mexico and the United States. This one highlighted that inevitably with the phase-out of CFCs and HCFCs, HFC's were introduced as alternatives. HFC's will have a dramatic negative impact on the climate system. This was noted as 88,000 million tonnes of carbon dioxide equivalent by 2050. This proposal would control HFC's much like other ozone depleting substance.

The second proposal came from Micronesia and Mauritius and the Marshall Islands. Their proposal would phase-down HFC's over time.

After much discussion and input, the decision was to consider molding the two proposals together. In addition, a working group was formed which will bring forth the proposal to the next meeting (22nd) of the Parties, to be held in Uganda in November 2010.

In addition to the various issues addressed regarding metered-dose inhalers, methyl bromide, the Halons Technical Options Committee (TOC) and other TOC's reported. Four new halon alternatives have been identified in the 2010 Assessment Report.

In the white goods sector it was reported that 63% of new domestic appliances have 134a and 36% hydrocarbons (HC-600a or isobutene). These numbers are expected to change dramatically to 75% hydrocarbon use within 10 years.

Many other issues were addressed at this meeting including the sound management of banks of ODSs and approved ODS destruction technologies. For an advance copy of the Report of the Meeting, visit:

www.unep.ch/ozone/Meeting_Documents/oewg/30oewg/OEWG-30-7E.pdf



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2010-11 Certification Renewals



All persons working with regulated refrigerants in Manitoba must maintain a valid certification card, as seen here. The renewal form is available at www.mopia.ca We can also fax, email or mail you one.



Who Can Access/Purchase Regulated Products...

Under the Manitoba Ozone Depleting Substances and Other Halocarbons Regulation 103/94, Section 19(1) states who can obtain regulated products (i.e. refrigerants, roof-top units, split systems, condensers, filter dryer, evaporator, compressor, etc.). Only certified technicians (those who hold a Manitoba/MOPIA card as seen above) or a company holding a Secondary Distributor Permit.

At the present time, hydrocarbons (HCs) are not regulated substances. However, they may have certain conditions of use under Manitoba's Refrigeration and Air Conditioning Mechanic Trade Regulation, the B52 Code or by insurance underwriters. In addition, uncertified persons must never vent HCFCs or HFCs or add hydrocarbons to a system(s) that still contains a regulated refrigerant.

Next Certification Training Class

MOPIA plans to offer our environmental and regulation awareness certification training class next on August 18. If you know someone who may be interested or plans to handle regulated products (i.e. refrigerant or parts), they should sign-up for one of these sessions. Obtain the training registration form from our website at: www.mopia.ca.

Sun Awareness a Priority



MOPIA welcomed Lisa Schmidt to our team this past month as our Sun Awareness Coordinator. Lisa will direct sun awareness activities with MOPIA until September. MOPIA received support from the Province's Urban Green Team program for this important initiative.

