

# Stratospheric Ozone Layer & Atmosphere Protection

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



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## Ozone Layer to Fight Climate Change

The recovery of the ozone layer is essential for the health of our planet and its' living creatures. New research suggests it could also assist in the fight against climate change. In the June 13, 2008 issue of **Science**, climatologists report that ozone recovery could restore wind patterns in the Southern Hemisphere that have blown out of balance due to ozone depletion and the buildup of greenhouse gases.

Ever since the 1987 Montreal Protocol, which banned the manufacture of ozone-destroying substances, the fragile ozone layer has been set on a slow path to recovery. The ozone layer's return to normal is expected by 2075. By then, the so-called ozone hole should no longer appear over Antarctica every polar spring and persist until autumn. As a result, the cancer-causing ultraviolet (UV) rays that ozone filters out of sunlight will largely be blocked from the earth's surface.

Ozone has another effect on our global climate. Over the past 50 years, the Antarctic ozone hole has amplified a key cyclonic wind pattern in the Southern Hemisphere - the Southern Annular Mode (SAM). A dense ozone layer heats the underlying stratosphere, 12-50 kilometers above the Earth's surface, while the ozone hole leads to cooling. Affected by both the greenhouse-gas buildup at lower altitudes and the cooler stratosphere, SAM has blocked warmer air from reaching Antarctica, resulting in an icier continent but warming almost everywhere else south of the equator.

As the ozone hole recovers and SAM returns to more normal patterns, researchers predict that these effects will start to decrease over the Southern Hemisphere. In the new study, an international team compared standard climate change computer models with other versions that take stratospheric chemistry into account. The comparison showed that ozone recovery should restore SAM's traditional pattern of winds.

See more information at:  
[www.sciencemag.org/cgi/content/abstract/320/5882/14](http://www.sciencemag.org/cgi/content/abstract/320/5882/14)

## MOPIA Program Awareness Sessions Ongoing

MOPIA is continuing to host a series of ozone program compliance awareness sessions across Manitoba. Mark Miller (Executive Director) has already presented and met with hundreds of stakeholders from Steinbach, Portage la Prairie, Winkler, Lac du Bonnet, Winnipeg, Brandon and Dauphin. There are plans to head north to The Pas, Flin Flon and Thompson in early July.

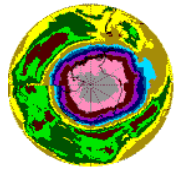


Stakeholders have raised a number of key issues and concerns including: the retail sale of hydrocarbon refrigerants; the need for visible enforcement; the end use of certain refrigerants or systems; what is the proper process for the disposal of contaminated refrigerants; proper ways to record refrigerant use; halon and refrigerant alternatives; and many others.

These sessions are compliance and program awareness events usually no more than one hour in length held during a breakfast or luncheon. Plan to attend one of these events to hear the latest and have an opportunity to raise issues or questions. Contact MOPIA for a registration form. The events are free to attend. If you are/were unable to attend the event, visit MOPIA's website for the presentation or contact us to email, fax or mail the slides.



# Keeping our members informed!!



## Next Certification Training Class Saturday, June 21

MOPIA's next environmental awareness certification class will be held in Winnipeg on Saturday, June 21.

If you have someone interested in attending this class or a future one, contact MOPIA to pre-register.



## HCFC Production Deadline Accelerated and In Force Now

The 2007 Montreal Adjustment on Production and Consumption of HCFCs, adopted at the 19th Meeting of the Parties in September 2007, has entered into force and became binding to all Parties on the 14<sup>th</sup> May 2008.

The following links contains the official copies of the English and French versions of the depositary notification:

[http://untreaty.un.org/English/CNs/2007/1001\\_1100/1096E.pdf](http://untreaty.un.org/English/CNs/2007/1001_1100/1096E.pdf) and  
[http://untreaty.un.org/English/CNs/2007/1001\\_1100/1096F.pdf](http://untreaty.un.org/English/CNs/2007/1001_1100/1096F.pdf)

Attached to the notification, are copies of the adjustments to the Protocol in the six UN official languages as circulated to all Parties.

**Source:** UNEP Ozone Secretariat.

## Montreal Protocol Meeting in July

The 28<sup>th</sup> Open-ended Working Group of the Parties to the Montreal Protocol on Substances that Deplete the Ozone Layer is taking place in Bangkok, Thailand, July 7-11. Special side events by Greenpeace, Proklima, UNEP DTIE and others are taking place. Items on the formal agenda are noted below. MOPIA will highlight the outcomes in a future E-Bulletin.

Issues arising out of the 2008 progress report of the Technology and Economic Assessment Panel, or related matter held over from 2007:

- (a) 2008 progress report of the Technology and Economic Assessment Panel;
  - (b) Review of nominations for essential-use exemptions for 2009 and 2010;
  - (c) Summary of scoping study addressing alternatives to hydrochlorofluorocarbons in the refrigeration and air-conditioning sectors in Parties operating under par. 1 of Article 5 (dec. XIX/8);
  - (d) Study on projected regional imbalances in the availability of halon 1211, halon 1301 and halon 2402 and potential mechanisms for the improved prediction and mitigation of such imbalances in the future (decision XIX/16);
  - (e) Review of and recommendations on process-agent use exemptions; on insignificant emissions associated with uses; and on process-agent uses that could be added to or deleted from table A of decision X/14 (decision XVII/6);
  - (f) Final report on carbon tetrachloride emissions and opportunities for reductions (decision XVIII/10);
  - (g) Report on n-propyl bromide emissions and alternatives, and opportunities for reductions (decision XVIII/11);
  - (h) Review of nominations for critical-use exemptions for 2009 and 2010;
  - (i) Other issues arising out of the Technology and Economic Assessment Panel reports.
- Report of the Executive Committee on case studies called for under decision XVII/17 on environmentally sound destruction of ozone-depleting substances (decision XVIII/9).
5. Report of the Technology and Economic Assessment Panel on the replenishment of the Multilateral Fund for the Implementation of the Montreal Protocol (decision XIX/10).
  6. Consideration of a multi-year agenda for the work of the Parties to the Protocol.
  7. Proposed adjustments to the Montreal Protocol.
  8. Proposed amendments to the Montreal Protocol.

[http://ozone.unep.org/Meeting\\_Documents/oweg/28oweg/index.shtml](http://ozone.unep.org/Meeting_Documents/oweg/28oweg/index.shtml)



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