

The Manitoba Ozone Protection Industry Association





18th Annual Report 2010/11

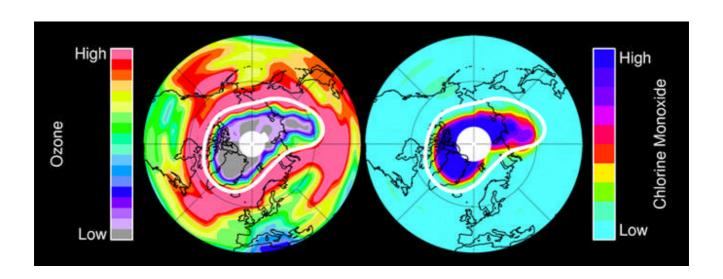
November 1, 2010 - October 31, 2011

For the 18th Annual General Meeting held in Winnipeg, Manitoba, Canada

23rd April 2012







Record Ozone Loss was reported over the Northern Hemisphere (Arctic Region) by the World Meteorological Organization (www.wmo.int) in the Spring of 2011. The highest ever recorded!

Photo's courtesy of NASA and WMO.

Cover page details: From top: Past Chair Michael Blackey at the 23^{rd} Meeting of the Parties in Bali, Indonesia; Backdrop at the 23^{rd} Meeting of the Parties; World Peace Gong at Bali Collection; Hindu Temple; Mark Miller at the 23^{rd} Meeting of the Parties Session.

Manitoba Ozone Protection Industry Association TABLE OF CONTENTS

Corporate Information	3
Organizational Overview	4
Our Association Representatives	5
Message from the Chair of the Board of Directors	7
Message from the Executive Director	8
Profile on our Staff Team	9
Program Information & Highlights	10
2011 Program Compliance Awareness Sessions	12
Strategic Partnerships	13
Treasurer's Report	14
Appendices	15
17 th Annual General Meeting Minutes (14 th March 2011)	16
Position Statement on the Use of Quick Seal	19
Auditors Report – Financial Statements as at October 31, 2011	23

Manitoba Ozone Protection Industry Association (MOPIA) CORPORATE INFORMATION

On October 31, 2011, MOPIA relocated to new offices at 1082 Main Street, Winnipeg, Manitoba, Canada. A five year lease has been secured to 2016.



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* Lynn Lake • Gallam

*Thompson

* Hin Flon

* The Pa * Notwey House

* Dauphin • Girali

Brandon • Wisnipeg

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Date of Original Incorporation (Manitoba): 21 October 1993

Fiscal Year: 1 November - 31 October

Financial Institution: Steinbach Credit Union at Winnipeg, Manitoba

Corporate Auditor for the 2010/11 Fiscal Year: Ryan J. Marshall, Chartered Accountant Inc.

Responsibility Centres: MOPIA is a multi-stakeholder, not-for-profit Association operating through the direction of a member elected Board of Directors and Executive Committee. MOPIA was appointed by Manitoba's Minister of Conservation for specific responsibilities.



Pictured (I-r): Mark Miller (Executive Director), Hon. Stan Struthers (Minister of Finance), Bill Taylor (Member of the Board of Directors), George Kurowski (Chair) and Michael Blackey (Past Chair)

Manitoba Ozone Protection Industry Association ORGANIZATIONAL OVERVIEW

<u>Mission:</u> To be the best resource for information and services in relation to atmosphere protection.

<u>Vision:</u> To contribute meaningfully to a healthy atmosphere for future generations.

Core Values:

Teamwork – we are committed to effective partnerships between volunteers, staff, and our stakeholders. New strategic alliances should always be seen as an opportunity.

Commitment – we accept the challenges involved in implementing an aggressive environmental approach.

Responsiveness – we strive to be accessible, flexible, transparent, and will demonstrate a sense of urgency in our resolve and decision making.

Accountability - we are committed to achieving, measuring, and reporting the results of our actions and inactions.

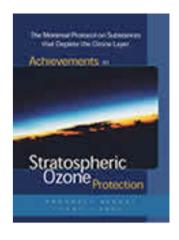
Ethics: Adhere to the highest standards of ethics and integrity, respect, privacy, and confidentiality, avoid conflicts of interest, and comply with the law.

<u>Goal:</u> To work towards protection of the stratospheric ozone layer through the control, reduction, and eventual elimination of emissions of ozone depleting and climate change substance to the atmosphere.

<u>Accountability:</u> MOPIA is accountable to a multi-discipline and elected Board of Directors, as well as, its stakeholders and members. MOPIA accomplishes this through annual general meetings, being open to the public, holding awareness sessions for members, regular press releases, and a member elected Board of Directors







Manitoba Ozone Protection Industry Association OUR ASSOCIATION EXCOM & BOARD OF DIRECTORS

Executive Committee (Officers)

Chairperson Vice-Chair Secretary Treasurer Member-at-Large Past Chair George Kurowski Doug Alexander John Kubilanski Laverne Dalgleish Inez Miller Michael Blackey



Members of the Board of Directors

Don Thomson Kurtis Calder Botho Kramer Bill Grywinski Bill Taylor Meghan Johnson

Pictured above right: George Kurowski, Chair of the Board of Directors and ExCom Pictured below: Michael Blackey, Scott Nicol, Bill Grywinski, Mark Miller, Sarah McCullough, Bill Taylor, Meghan Johnson, Inez Miller, John Kub, Don Thomson, Kurtis Calder and Botho Kramer



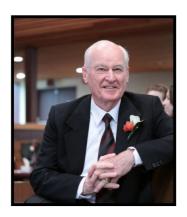












MOPIA Team Members (Paid Staff):

Executive Director Executive Assistants Special Projects Officer Mark Miller Lauren Griffith-Parker and Vanessa Krahn Graham Isaak









Board Meetings held during the 2010/11 Fiscal Year:

Meeting #60 Meeting #61 Meeting #62 Meeting #63 Meeting #64 22 November 2011 24 January 2011 4 April 2011 20 June 2011 19 September 2011

The Executive Committees last meeting was held:

Meeting # 107

2 February 2009





Manitoba Ozone Protection Industry Association CHAIR OF THE BOARD OF DIRECTORS, GEORGE KUROWSKI

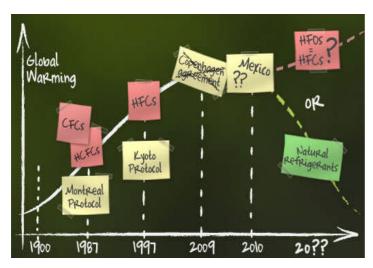




The past year has seen a lot of new MOPIA members certify after taking our environmental training program. Fire suppression systems have moved away from Halons entirely in the Province and the insulating foam sector has come up with higher efficiency products that do not deplete the ozone layer.

The Commercial Refrigeration sector continues the replacement of HCFC-22 applications with HFC alternatives. The automotive manufacturers are planning for the implementation of HFO-1234yf with a very low global warming potential of only about 4 GWP units.

Refrigeration appliances based on HC refrigerants are about to be introduced in the North American market along with Carbon Dioxide based Supermarkets and even a CO2 Ice Skating Rink winning an ASHRAE First Place Innovation award after proof of great operational efficiencies in Quebec demonstrate that a transition to Natural Refrigerants is underway.



Respectfully Submitted,

George Kurowski, CMS
Chair of the Board of Directors

Manitoba Ozone Protection Industry Association MOPIA'S EXECUTIVE DIRECTOR, MARK MILLER



MOPIA was focused on compliance awareness for our members this period. We drafted a number of outreach materials and were involved in federal regulatory consultations. We updated our website, sourced new offices, kept aware of emerging technologies and looked to the future. We take our responsibilities seriously and know that our leadership, influence and strategic collaborations are making a difference in Manitoba and elsewhere.

I've highlighted just some of our activities over the year here:

- Attended the 10th AGM of Refrigerant Management Canada (November, 2010)
- MOPIA held a series of program awareness sessions throughout Manitoba (May-July)
- Attended Environment Canada's consultation on the federal halocarbon regulations (January 2011)
- Provided comments towards an updated Federal Code of Practice
- Spoke to stakeholders and others about emerging trends, ozone and climate issues.

MOPIA has made many inroads and achievements over the past 18 years. The exciting news is that there are many challenges yet ahead and that MOPIA has an important and distinct role. With the valuable input and confidence of our Board and the commitment and extraordinary efforts of our office team we'll continue to influence change for the betterment of the ozone layer, our climate and our stakeholders.

Thank you to George, our Chair who was always optimistic and positive in his approach. And, to those many others on our Board who continue to strive and focus our energy and resources in a productive and strategically effective capacity. It's all making a difference for our environment!



My best regards,

Mark Miller Executive Director

Top - Inez Miller and Mark Miller at the Kyoto Protocol, Conference of the Parties Meeting, Montreal (2005)

Manitoba Ozone Protection Industry Association PROFILE ON OUR STAFF TEAM

MOPIA has an energetic, conscientious and dedicated paid staff team. They are motivated and continue to prioritize objectives and achieve results. Our employees (both full and part-time) have been the cornerstone of our success. Two of our staff are profiled below.

As MOPIA strives forward, our specialized and experienced staff will continue to work hard for our stakeholders. This includes proficient response times to inquiries, renewals and training needs. MOPIA will also keep our stakeholders informed of industry and government decisions and impending changes.





Vanessa Krahn, Executive Assistant

Vanessa continued to play an instrumental role in MOPIA that included database management, financial reporting, environmental certification training administration, financial reporting and other tasks. However, she decided to focus on and complete her engineering degree and as such supported the transition for her replacement in 2011.

Vanessa was invaluable to MOPIA as she encouraged the initiation of several new procedures that has made MOPIA more efficient and productive. She supported our leap into electronic payments and fostered our progress towards an improved database and other protocols.

Lauren Griffith-Parker, Executive Assistant

Lauren played a principle front line role as stakeholder liaison and learned elements of Vanessa's position throughout the year particularly during the summer months of 2011. She processed our certification renewals throughout the year. She also developed sun awareness materials for youth and outside workers to support MOPIA's role in sun safety for our stakeholders.

Lauren is also studying in College as she pursues her degree.

Manitoba Ozone Protection Industry Association PROGRAM INFORMATION & HIGHLIGHTS

- MOPIA was re-appointed (January, 2010) by the Honorable Bill Blaikie, Minister of Conservation (Manitoba). MOPIA has certain responsibilities and is required to provide administrative assistance on various initiatives as detailed in the Appointment Agreement. These tasks were achieved.
- As of October 2011, there were 5,155 technicians certified, 365 subscription members and 42 steward members. As of October 2011, 421 companies were secondary distributor permit holders.
- ➤ MOPIA held 9 (8 in 2009/10) one-day environmental certification training courses this period. These were held: February 22, March 28, April 28, May 25, June 22, July 23, August 17, September 12, October 19 and one private session for a company in Winkler.
- Red River College (Winnipeg) and Assiniboine Community College (Brandon) also held MOPIA sanctioned training as part of the trades training programs (Re: The Refrigeration and Air Conditioning Mechanic Trade Regulation 229-97) and truck, agriculture, auto and transport.
- ➤ MOPIA received approximately 2,300 telephone inquiries during the 2010/2011 fiscal year and approximately 1,800 emails from stakeholders.
- ➤ MOPIA issued 12 E-bulletins, one per month, during this past fiscal period on November 12, December 16, January 13, February 10, March 10, April 14, May 12, June 16, July 14, August 11, September 15 and October 13.
- ➤ MOPIA's Board nomination committee was chaired by Mr. Michael Blackey (Past Chair).
- MOPIA held program awareness sessions across Manitoba, including the communities of Winkler, Winnipeg, Brandon, Dauphin, Steinbach, Selkirk, Thompson and Morris.
- During the summer of 2011, MOPIA received a grant from the Urban Green Team program to hire a person for a climate change and sun awareness project. MOPIA hired Graham Isaac to coordinate activities within the program.
- ➤ MOPIA held its' 17th Annual General Meeting on 14th March 2011 at Red River College (Winnipeg, Manitoba).
- MOPIA launched a "Facebook" Page (December 2010).



- MOPIA attended the 10th AGM of Refrigerant Management Canada (3rd November 2010).
- MOPIA attended an Environment Canada Federal Halocarbon Regulation consultation session in Winnipeg (18th January 2011).
- MOPIA's Chair and Executive Director spoke at a Building Energy Management Manitoba (BEMM) session in Winnipeg (17th February 2011).
- MOPIA hosted an Environment Canada official on a Manitoba industry study tour (February 2011).
- ➤ In addition to BEMM, MOPIA spoke at events held by the Institute of Power Engineers (March 16, 2011) and HRAI (March 23, 2011).
- ➤ MOPIA attended the 10th Annual Better Buildings Conference in Winnipeg.
- MOPIA displayed a booth at the Winnipeg Green Show (October 2011) with assistance from Board volunteers Meghan Johnson, George Kurowski and Inez Miller.
- MOPIA made our stakeholders aware of the introduction of hydrocarbon refrigerators in North America (seen at right).
- MOPIA made our stakeholders aware that UNEP enlisted a new ambassador for ozone awareness, Miss Natalie Glebova (above left), as part of the Ozone2Climate Road Show.
- MOPIA searched for a new office site and secured a new 5 year lease at 1082 Main Street with dramatic long term savings.



- MOPIA continued our paperless "Green Meetings" within our Organization, distributing meeting information electronically and via LCD projector on screen when in-house. Paper use/circulation has been cut by over 90%.
- MOPIA prepared for attending the 23rd Meeting of the Parties (Nov., 2011).



Manitoba Ozone Protection Industry Association 2011 PROGRAM & COMPLIANCE AWARENESS SESSIONS



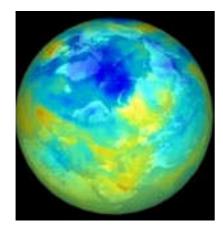
During the Spring and Summer of 2011, MOPIA hosted a series of program compliance and industry awareness sessions throughout Manitoba. These sessions were held as breakfast or luncheon events with interactive presentations lasting on average one and a hours in length. Hundreds stakeholders came out to hear our information at the various host locations. These events were also an opportunity to review ODS record keeping methods, answer questions and hear feedback from many stakeholders.

Common suggestions from our stakeholders and the participants of the sessions included:

- Make the renewal period optional for 2 years, not just one year.
- More Environment Officer enforcement visibility
- Include hydrocarbons as regulated products
- Regulate the purchase of hydrocarbons in retail outlets
- Encourage more policing of the trades (through apprenticeship)
- Mandate the type of recovery machines that are acceptable

Thank you to our members and stakeholders for their many suggestions. We are acting on many of these good ideas.

MOPIA hosted 2011 program awareness events in Steinbach, Winkler, Thompson, Winnipeg, Selkirk, Brandon, Morris and Dauphin.





Manitoba Ozone Protection Industry Association STRATEGIC PARTNERSHIPS

MOPIA continued to maintain a strong rapport with UNEP DTIE. Valuable information and resources are available through the Branch. Future project collaborations are possible. They issue the OzoNews, an electronic E-Bulletin, which is profiled on MOPIA's website.

MOPIA attended the 31st Open-Ended Working Group Meeting of the Parties (OEWG) to the Montreal Protocol. George Kurowski represented the Association in various meetings 1-5 August, 2011. The decisions here are forwarded to the Meeting of the Parties (MOP), held in the Fall, for further consideration.

MOPIA kept aware of initiatives of Belgium's Shecco through their web portals of the **THENATURALVOICE**, Hydrocarbons 21, Ammonia 21, and "Atmosphere" Conferences.



MOPIA continued to maintain a strong partnership with officials from Manitoba Conservation. Our professional working relationship has lasted over 18 years through various governments and reorganizations.

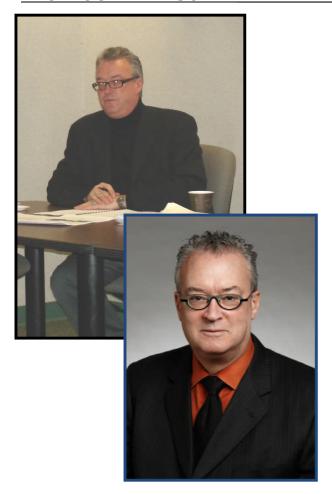








Manitoba Ozone Protection Industry Association FROM OUR TREASURER



Please find attached the financial statements for the fiscal year ending October 31, 2011 for scrutiny and approval by our membership.

The financial statements show a slight surplus over expenses for our 2010/11 fiscal period. The financial statements reflect in principle the approved budget. The statements continue to demonstrate our history of sound financial management and detailed scrutiny of our organization's financial accounting system.

I'm reporting that the financial statements, as independently scrutinized by Ryan J. Marshall (Chartered Accountant), accurately reflect the financial transactions of our organization ended October 31, 2011.

Once again over this past year, I have worked closely with our Executive Director to assist and ensure our Board approved budget reflects the demands and priorities of our organization.

Respectfully submitted,

Laverne Dalgleish

Laverne Dalgleish Treasurer



APPENDIX

17th Annual General Meeting (AGM) Minutes

Position Statement on The Use of Quick Seal and Other Air Conditioning System Refrigerant line Sealants

The Statement by the United Nations Secretary General (Ban Kimoon) on the Occasion of International for the Preservation of the Ozone Layer (September 16, 2011) can be seen at:

http://www.unep.org/ozonaction/Events/OzoneDay/2011/tabid/56178/Defaul t.aspx

Auditors Report - Financial Statements October 31, 2011



THE MANITOBA OZONE PROTECTION INDUSTRY ASSOCIATION Inc.

(MOPIA)

17th Annual General Meeting for Membership

MEETING MINUTES

(17)

14th March 2011 @ 7:15 pm Red River College A1-37 2055 Notre Dame Avenue Winnipeg, Canada

1. Call to Order

Meeting called to Order by George Kurowski (Chair) at 7:25 pm. The Chair welcomed everyone.

2. Approval of Agenda

MOTION: MOVED by Don Thomson that the Agenda for the 17th Annual General Meeting be approved as presented. SECONDED by Bill Taylor.

MOTION APPROVED.

3. Approval of the 16th Annual General Meeting Minutes (29th March 2010)

MOTION: MOVED by Bill Taylor that the Meeting Minutes of the 16th Annual General Meeting of 29th March 2010 be approved. SECONDED by Michael Blackey.

MOTION APPROVED.

4. Report from our Chair (Mr. George Kurowski)

The Chair's Report is contained in the 2009/10 Annual Report beginning on page 6. Highlighted the 2010 halon phase-out, the on-going HCFC phase-down and the emergence of many new and hydrocarbons refrigerants.

The Chair thanked members of the Board of Directors, the Executive Committee and MOPIA's staff for a very successful year.

5. Report from our Treasurer

Mark Miller referenced the Treasurers (pg. 16) and Auditors Reports (appendix) contained in the 2009/10 Annual Report. MOPIA had an excess of revenue over expenses of \$24,289, for the 08/09 fiscal year.

6. Report from our Executive Director's Report (Mr. Mark Miller)

Mark highlighted MOPIA's accomplishments throughout fiscal 2009/10. These can be seen on pages 10-15 of the 17^{th} Annual Report.

Provincial outreach sessions were successfully held and they were well received based on the evaluations from participants. George was able to speak at nearly all of the sessions. A series of outreach sessions are once again planned for Spring 2011.

MOPIA continued to raise the issue of HFCs being used as a propellent in aerosol containers. MOPIA will continue to inform the province and others globally of the use of HFC's in containers.

Mark recognized MOPIA's staff (Vanessa and Melissa) for their worthy efforts. Appreciation was also extended to MOPIA's Board for their input and volunteer efforts.

Fiscal 2010/11 holds several opportunities for MOPIA. These include evaluating our lease, questions on how HFO's will be controlled, potential regulatory changes, global HFC aerosol awareness and many others.

7. Report from the Nominating Committee (Mr. Michael Blackey)

A written report was presented to the membership.

It was noted that the committee was unable to find an eligible candidate(s) from the trucking sector. The Board has discretion to appoint a person(s) if one becomes apparent.

Eligible candidates and those nominated for a two-year term are: Inez Miller, Bill Grywinski, Russ Martin, John Kub, Kurtis Calder, Doug Alexander and Meghan Johnson.

MOTION: MOVED by Michael Blackey to accept the Nominations Committee Report of nominated Board candidates as presented. SECONDED by Bill Taylor.

MOTION APPROVED.

9. Date of our 18th Annual General Meeting

MOTION: MOVED by Don Thomson that the 18th Annual General Meeting be held on 19 March 2012, subject to the discretion of the Board of Directors to change the date and location, if deemed necessary. SECONDED by Bill Taylor.

MOTION APPROVED.

10. Appointment of Auditor/Financial Review

MOTION: MOVED by Bill Taylor that MOPIA appoint Ryan J. Marshall Inc. (Chartered Accountants) as Auditors for fiscal 2010/11. SECONDED by Michael Blackey.

MOTION APPROVED.

11. Other Business

There was no other business.

12. Adjournment

MOTION: MOVED by Don Thomson that the 17th Annual General Meeting adjourn.

MOTION APPROVED.

The meeting adjourned at 8:00 pm. (14th March 2011).

APPROVED 19 March 2012 -- OFFICIAL COPY --

Chair of the Board of Directors

Position Statement

On the

Use of Quick Seal and Other Air Conditioning System Refrigerant line Sealants



July 6, 2011

BY:

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Statement:

Various refrigerant line sealants are available on the market. In some cases, they perform well and seal the refrigerant leak of an air conditioning or refrigeration system. However, this Bulletin serves as a reminder to industry and the general public that the use of these products is permitted only in specific applications. Service technicians must complete and are obligated to do a full leak test procedure and permanently repair the leak of an air conditioning and/or refrigeration system. Introducing various refrigerant line sealants does not constitute a complete leak test. Further, these products may not provide for a permanent or long-term leak repair, but rather are typically effective in sealing smaller line holes that may not require extensive leak repair.

Service technicians are obligated to follow the following procedure when approaching an air conditioning or refrigeration system assuming there is a refrigerant leak.

Service technicians may introduce Quick Seal or an equivalent sealant only after steps 1-3 in the Acceptable Leak Test Procedure are completed (see below). They may also introduce it in accordance to air conditioning or refrigeration system manufacturer specifications upon initial start-up or when completely empty of refrigerant. Also refer to a sealant manufacturers' instructions.

Note that these procedures apply to systems using CFCs, HCFC's and HFC's. Also note, introducing hydrocarbons or a refrigerant different to the one contained in a system without first recovering that refrigerant is not proper protocol. This is cross-contaminating or cocktailing a refrigerant which may jeopardize the performance of the unit or system and is contrary to legislation (see Section).

Manitoba's Leak Test Procedure:

Approved Leak Testing Methods

Under the Manitoba Regulation 103/94, no person shall recharge or top-up equipment that contains an ozone depleting substance (ODS) unless the person first conducts a leak test and repairs the identified leak permanently. Technicians may choose one or more of the following leak test methods to ensure a units system is/will work effectively after any ODS is added following the system's repair. The following is the prescribed leak test procedure and list of acceptable leak testing methods recognized by Manitoba Environment. They are subject to change.

Prescribed Leak Test Procedure:

- 1. If the system still contains a regulated refrigerant, proceed to #3.
- 2. If the system has lost its charge and no longer contains any regulated refrigerant, it must first be pressurized to a minimum of 150 psi (1034 kPa) or such a pressure as not to rupture the system using dry nitrogen.
- 3. Use one of the appropriate method(s) indicated under "Acceptable Leak Testing Methods" to detect the presence and location of the leak(s). (see below)

- 4. If no leak is detected after fully and thoroughly leak checking, you may recharge the system with the appropriate or manufacturer designated refrigerant.
- 5. If a leak is found, isolate that component(s), if possible. Recover any refrigerant from the component or system.
- 6. Once any remaining refrigerant has been recovered, repair or replace the component or system.
- 7. Perform another leak test method to confirm that the leak has been repaired. If any leaks are found, repeat #1-7 until all leak(s) have been repaired.
- 8. Evacuate the system in accordance with the manufacturers recommended evacuation/dehydration levels. When the manufacturer's information is unavailable evacuate to 29.87 in Hg. (550 microns) and <u>hold for a minimum of 10 minutes</u> (as described in the "Acceptable Leak Testing Methods" Standing Vacuum Test).
- 9. The system has now been evacuated and dehydrated. The system must now be recharged using the accordance with the Manufacturers Certified Installation, Specifications and Service Manuals and the Environmental Code of Practice for the Elimination of Fluorocarbon Emissions from Refrigeration and Air Conditioning Systems (published by Environment Canada). These items are subject to the Minister's approval and amending and updating.
 - an ozone depleting substance (i.e. HCFC-22, HFC 134a or any other) must not be added to nitrogen or dry air for use as a trace gas. However, you may use the remaining (remnant) gas that was in the system to immediately check for leaks.

Acceptable Leak Testing Methods

There are many different techniques for leak testing, with varying degrees of accuracy depending on the system being tested. The following guidelines are acceptable procedure for leak testing on various stationary refrigeration and air conditioning systems.

The following techniques have been identified by MOPIA and are acceptable by the Minister of Conservation. The most appropriate leak test method for the circumstance should be chosen and performed by a Manitoba certified individual ("trained service technician"). The completing of a leak test is not a guarantee against leaks in the future, and therefore is not meant to replace any existing preventative maintenance program.

- 1. Electronic leak detection
- 2. Halide flame leak detection
- 3. Soap and bubble test
- 4. Ultrasonic leak detection
- 5. Fluorescent dye leak detection
- 6. Standing Vacuum test
- 7. Standing nitrogen pressure test

Note: Any additional leak testing technologies that are developed and find acceptance within the refrigeration and air conditioning industry may become acceptable and added to these guidelines. They must first be approved by the Minister of Conservation. It is recommended that you periodically check with MOPIA for the latest list of acceptable leak test procedures.

George Kurowski, Chair of the Board of Directors,

Mark Miller, Executive Director,

on behalf of The Manitoba Ozone Protection Industry Association (MOPIA) Sept 19, 2011