



Joint Training and Apprenticeship Committee

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O.Reg. 189/94 Environmental Protection Act
Amended to O.Reg. 180/07
May 2007 (Revised: June, 2007)

Below are highlights of the new Ontario Refrigerant Regulations.

The JTAC assumes no liability for the information contained within. Please refer to the most recent version of Ontario's Environmental Regulations for exact requirements.

When working on or in Federal jurisdiction property and/or equipment you must abide by both the Federal Halocarbon Regulations and Ontario's Regulations or whichever is the most stringent. It is your responsibility to abide by the most recent Regulations.

Contact Information

Please note: Contact information for release reporting and notification of temporary refills in the event of a threat to human life or health as per sections 8.(3) and 8.2(6)

Releases of 100 kg or more: Spills Action Centre: 1-800-268-6060

Director:

Operations Division
135 St. Clair Ave. W.
14th floor
Toronto ON M4W 1P5
Tel: (416) 314 – 6378
Fax: (416) 314 – 6396
Fax: (416) 314 – 6409

Investigations and Enforcement Branch

5775 Yonge Street
8th floor
North York ON M2M 4J1
Tel: (416) 326 – 6700
Fax: (416) 326 - 5256

Environment Canada Release Reporting (for Federal jurisdiction equipment)

Manager, Emergencies and Enforcement Division
Information Management Section
Environment Canada
Environmental Protection Branch-Ontario Region
4905 Dufferin Street, 2nd Floor
Downsview, Ontario
M3H 5T4
Ph: (416) 739-5869
Fax: (416) 739-4903

Highlights of O. Reg. 189/94

1. **New Interpretations** include:

- Chiller – refrigeration equipment cooling secondary fluid
- Industrial, commercial or institutional refrigeration equipment
- Mobile refrigeration equipment

2. Pertains to refrigerants containing CFC's, HCFC's or HFC's

4.(1) No person shall cause or permit a refrigerant discharge into the air of a building or into the natural environment.

4.(2) Anyone who discharges or causes or permits the discharge of 100kg into the air must report to the Ministry as soon as possible after the discharge occurs

5. No refilling of automotive air conditioning system with CFC's

6. No servicing or testing of refrigeration equipment unless the person is certified under the Act and has immediate access to recovery equipment

No adding of refrigerant for leak testing (except for automotive air conditioning as per the Environmental Code of Practice)

6. **Service Records** created by service or testing personnel to include:

- Amount & type of refrigerant purchased
- Amount and explanation of any refrigerant discharge
- Date of work done servicing or testing, names of company and individual
- Description of work done and the amount & type of refrigerant used and/or recaptured
- Refrigerant purchase location, purchase/service records kept for two years by employer or individual who performed task (if not under the employ of an employer)

7. **Leak test notice**

- Date of test
- Person's name & person's employer
- Certificate number/expiry date
- Results of leak test
- Statement that if there is a leak present, no refrigerant is to be added until the leak is repaired
- attached to stationary refrigeration/AC equipment, attached to driver's door frame for automotive
- Inform person having control of equipment about the results of the leak test
- Leak test notices to be kept for two years by employer or individual who performed the leak test (if not under the employ of an employer)
- No removal of leak test notice unless replacing with new

7.1 **Air (non-condensable) purging systems**

- Purges must comply with Environmental Code of Practice (0.1kg of refrigerant per 1 kg of air) As of January 01, 2009 (should be vented to outside and should have absorptive technology)

8. **Refrigerant Refill procedures**

No refilling:

- unless notice stating equipment is leak free
- unless leak test results are less than 6 months old and no physical damage to equipment

8.(3) Temporary Refilling is permitted

- when there is an immediate danger to human life or health at a health care facility

- when there is an immediate danger to crops, plant or animal life or foodstuffs on a farm, food packing, food processing or storage facility **NOT A SUPERMARKET OR SIMILAR**
- these circumstances are to be immediately reported (by equipment owner) to the Director (Ministry of the Environment) leak tested and repaired or refrigerant recovered within 7 days
- follow up report to Director confirming repairs/recovery

8.1 CFC equipment phaseout

- As of January 01, 2009, no CFC containing refrigerant to be added to industrial, commercial, institutional equipment of greater than 22 kilowatts (6.44 tons)
- As of January 01, 2012, no CFC containing refrigerant equipment to be operated This includes industrial, commercial, institutional equipment of greater than 22 kilowatts (6.44 tons)

8.2 CFC Chillers

- As of January 01, 2009, no CFC containing refrigerant to be added to a chiller that has undergone a major overhaul
- CFC containing refrigerant may be added to a chiller requiring a major overhaul, if the owner of a chiller has given notice to the Director, prior to January 01, 2009 setting out a date of discontinuation of the CFC containing or conversion of the chiller as of no later than December 31, 2011 (*basically anyone who has a CFC containing chiller should submit a notice, before 2009 to the Director of their plans to phase out the CFC by January 01, 2012*)
- As of January 01, 2012, no person shall use a CFC containing chiller
- **If there is a threat to human life or health** or when there is an immediate danger to crops, plant or animal life or foodstuffs on a farm, food packing, food processing or storage facility, a CFC containing chiller that has undergone a major overhaul, may be temporarily refilled, for one year (no later than Dec. 31, 2011)
- **Refill of CFC's in a chiller requires owner, within 7 days to provide written notice to Director**

Major overhaul (as of Jan.01, 2009) includes:

- Replacement or modification of any internal sealing devices
- Replacement or modification of an internal mechanical moving part, (other than oil heater, oil pump, float or single stage compressor vane assembly)
- Repair required as a result of a heat exchanger tube failure

9 - 10. Decommissioning of refrigeration equipment or if equipment is going to a dump or landfill

No refrigerant remaining notice attached to equipment to include:

- Date, name, employer, certificate number/expiry date, no refrigerant remaining
- Records kept for two years
- (not required on domestic refrigeration equipment)

11 – 15. Sale of refrigerants to person

- Containers to be refillable and recyclable, or part of equipment or part of service
- Sold to certified persons or employer
- Wholesaler to charge minimum \$25 cylinder deposit and accept originally sold containers
- seller keeps records for two years including: date, type & quantity of refrigerant, name, certificate number/expiry date or employee # if non-certified employer
- refrigerant sale criteria does not apply if sold as part of equipment

16. Container labels

- containers must be clearly marked with refrigerant type, container is refillable and recyclable, deposit and not to be disposed of at a dump or landfill site

17 – 20. Empty container notice (only placed on by certified person)

- notice to include no refrigerant remaining, date, name, employer, certificate number/expiry date
- records kept for two years
- no dismantling, destroying, recycling or disposing of a container unless it contains the above notice criteria
- all reasonable efforts must be made to refill or recycle containers

21. Certification

- must successfully complete a course that provides training and testing with respect to the use and handling of ozone depleting substances, refrigerants and refrigerant equipment and paid a fee for certification
- name, certificate number, expiry date
- valid for 5 years from date of issue

Renewal

- written request for renewal before expiry date and fee paid for issuance of renewal certificate (787 members are to apply to JTAC and \$50 fee will be removed from member's training allowance, for that calendar year)
non 787 members pay HRAI \$50 + taxes

Please see attached application form for renewal

- certificate issued prior to May 4, 2007 expires on certificate expiry date
- certificates valid for 5 years from date of issue
- Non certificate holders or expired certificate holders are required to successfully complete the Fluorocarbon Refrigerants Handling Certification program

Refusal/revoking of certificate

- failure to comply through past conduct or reason to believe a person will not comply
- written notice will be given to individual

22 – 23. CFC Phaseout

- Recovered CFC's to be delivered to refrigerant wholesaler by July 1, 2012
- After Jan 1, 2012 any recovered CFC's to be delivered to wholesaler within 6 months
- As of January 1, 2009 wholesalers shall accept properly labeled containers of CFC's, during the normal business hours, at no charge

24. Hazardous Waste

- As of July 1, 2012 recovered CFC containing refrigerants are considered hazardous waste