

# Refrigerant Compliance Management Plan

**The University of Michigan**  
Ann Arbor Campus

Written:

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Prepared by:



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# Table of Contents

Acronyms and Abbreviations	iii
Distribution List	iv
Document Control and Revision History	v
<b>1.0 General Information</b>	<b>1</b>
1.1 SUMMARY	1
1.2 SCOPE	1
1.3 GOALS	1
1.3 POLICIES	1
1.4 PURPOSE OF THE PLAN	2
<b>2.0 Responsible Parties and Oversight Team</b>	<b>2</b>
2.1 OVERSIGHT TEAM	2
2.2 HVAC PROGRAM MANAGER	3
2.3 HVAC STAFF	3
2.4 ADMINISTRATIVE STAFF	4
2.5 F&O REGION MANAGERS & ASSET SUPERVISORS	4
2.6 EHS STAFF	5
2.7 CONTRACTORS AND VENDORS	5
2.8 AEC AND CONSTRUCTION MANAGERS	5
<b>3.0 Refrigerant Acquisition, Handling, and Disposition</b>	<b>6</b>
3.1 PURCHASE OF REFRIGERANTS	6
3.2 ACQUIRING AND DECOMMISSIONING REFRIGERANT CONTAINING APPLIANCES	6
3.3 REFRIGERANT INVENTORY AND STORAGE	6
3.4 REFRIGERANT DISPOSITION	6
3.5 REFRIGERANT SERVICE ACTIVITY	7
<b>4.0 Recordkeeping and Reporting Requirements</b>	<b>7</b>
4.1 RECORDKEEPING	7
4.2 EHS REPORTING: RELEASES	8
4.3 ACTIVITY BY NONU-M PERSONNEL (CONTRACTORS, CONSTRUCTION PROJECTS)	8
<b>5.0 Training</b>	<b>8</b>
<b>6.0 Communication</b>	<b>9</b>
<b>7.0 Definitions</b>	<b>9</b>
<b>8.0 Plan Amendments</b>	<b>12</b>
<b>9.0 Resources</b>	<b>13</b>
Appendix A Decommissioning Policy	
Appendix B Refrigerant Containing Appliance Service Form	
Appendix C Contractor Refrigerant Containing Appliance Service Form	
Appendix D EPA Section 608 Overview	

## **Acronyms and Abbreviations**

AEC	Architecture Engineering Construction
DPSS	Department of Public Safety Services
F&O	Facilities & Operations
HVAC	Heating Ventilation Air Conditioning
EHS	Environment, Health & Safety Department
RCA	Refrigerant containing appliance
U-M	University of Michigan, Ann Arbor
US EPA	United States Environmental Protection Agency

## **Distribution List**

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## 1. Document Control and Revision History

In accordance with Part 608, a review and evaluation of this Refrigerant Plan is conducted at least every three years. These reviews and evaluations are recorded below:

Initial Date: April 2026

By: EHS and F&O NCR

# 1.0 General Information

## 1.1 SUMMARY

This University of Michigan (U-M) Refrigerant Management Compliance Plan sets forth the goals, objectives, work procedures, and business processes governing the acquisition, handling, use, and management of refrigerants and refrigerant containing appliances regulated under Section 608 of the Clean Air Act.

## 1.2 SCOPE

This program applies to U-M Ann Arbor Campus for stationary comfort cooling and refrigeration, all refrigerant containing appliances, including all labs, departments and buildings. All refrigerant work performed on refrigerant-containing equipment must be documented and provided to the administrator.

## 1.3 GOALS

- The U-M shall be in compliance with applicable laws and regulations for the acquisition, use, and disposition of regulated refrigerants.
- Staff performing refrigerant related work shall comply with U-M policies and procedures.
- Staff shall be trained on the refrigerant compliance plan and understand how to comply.
- Refrigerant related recordkeeping policies and procedures will be periodically reviewed, revised, and documented.
- Periodic compliance auditing will be performed and corrective action taken where appropriate.
- The compliance plan will be reviewed and revised in an open process of continuous improvement. All affected university departments will be able to participate.
- The compliance plan shall be openly published and maintained on the Web.
- Oversight and responsibility for the compliance program shall be vested in a compliance team with members designated from EHS and F&O.

## 1.3 POLICIES

- No person shall perform any service activity involving a refrigerant containing appliance (RCA) that could potentially cause a release of refrigerant unless,
  - (A) that person has been certified as a Refrigerant Technician under Section 608 and
  - (B) is authorized by the University to perform such service activity.
- All transfers of refrigerant to or from an RCA, and/or to or from a recovery cylinder or other container must be performed by a certified Technician and documented using U-M provided forms.

Under the refrigerant recycling requirements of Section 608 of the Clean Air Act, 1990, as amended, including subsequent final regulations, the U.S. Environmental Protection Agency (USEPA) has established regulations that:

- Require service practices that maximize recycling of ozone-depleting compounds during the servicing and disposal of air-conditioning and refrigeration equipment.
- Set certification requirements for recycling and recovery equipment, technicians, and reclaimers.
- Restrict the sale of refrigerant to certified technicians.
- Require persons servicing or disposing of air-conditioning and refrigeration equipment to certify to the USEPA that they acquired recycling or recovery equipment and are complying with the requirements of this rule.
- Require the repair of substantial leaks in air-conditioning and refrigeration equipment with a full charge of 15 pounds or greater in an independent circuit.
- Establish safe disposal requirements to ensure removal of refrigerants.

#### **1.4 PURPOSE OF THE PLAN**

- Identify all refrigerant equipment with a full refrigerant charge 15 pounds or greater in an independent circuit and maintain an accurate inventory within Trakref.
- Conduct periodic inspections of refrigerant equipment with a full charge 15 pounds or greater to ensure leak rates are not exceeded.
- Provide adequate equipment to colleagues whose activities may involve the performance of maintenance, service, or repair.
- Ensure all maintenance, service or repair of equipment is performed in strict compliance.
- Ensure only qualified, properly trained, and certified colleagues and contractors perform either recovery or refrigerant addition operations to applicable equipment.

## **2.0 Responsible Parties and Oversight Team**

Multiple groups of U-M staff have roles to play in executing the compliance plan and each role has responsibility areas.

### **2.1 OVERSIGHT TEAM**

The oversight team is responsible for the Compliance Plan and for U-M refrigerant compliance policy. Persons executing and managing the plan will report to the Oversight Team as the team shall direct. The team shall include:

- F&O Mechanical Systems Program Manager
- EHS Representative
- Procurement Representative
- F&O Logistics Representative
- F&O HVAC Technician Representative
- F&O Region/Hospital Manager(s) or Asset Supervisor(s)
- Other members as directed by the University or the team such as AEC liaison, construction management, etc.

## **2.2 HVAC PROGRAM MANAGER**

HVAC PROGRAM MANAGER - Refrigerant Compliance Management Program Coordinator  
 Person responsible for coordinating daily operational responsibility for the refrigerant management compliance program for Facilities and Operations and provides guidance to other entities of the U-M.

- Conduct periodic refrigerant management audits including inventory, equipment, recordkeeping, and site audits
- Maintains contact and compliance with refrigerant suppliers and service contractors
- Maintains scheduled contact with EHS for reporting requirements
- Coordinates leak rate calculations and notifies operations of consequent tasks and deadlines
- Lead role on Oversight team
- Monitors compliance recordkeeping and reporting from other roles
- Enter data into Trakref

## **2.3 HVAC STAFF**

Technicians certified under CFR 40 Part 82, Subpart F to handle regulated refrigerants who perform work with refrigerants.

- Add refrigerant to, recover, and/or reuse refrigerant from RCA's

- Identify and Repair leaks in RCAs
- Perform Follow up leak testing in RCAs
- Decommission RCAs
- Initiate and complete service and compliance documentation of RCA refrigerant activity
- Inform managers and others as applicable of necessary follow up compliance work (follow-up leak verification, leak rate calculation, decommissioning)

## **2.4 ADMINISTRATIVE STAFF**

Non-technical staff who perform day-to-day work supporting field staff who handle and use refrigerants, by supplying refrigerants and managing the compliance recordkeeping flow:

- Manage service records, enter into Trakref, and file
- Staff who manage related procurement records

## **2.5 F&O REGION MANAGERS & ASSET SUPERVISORS**

Staff who specify, assign, and direct work of HVAC Staff and Administrative Staff which entails activity with regulated refrigerants.

- Implementing and communicating the expectations of complying with the refrigerant compliance management plan to U-M F&O technicians and contractors
- Implement the Refrigerant Compliance Management Plan
- Identify equipment and services required to comply with regulations
- Maintain records
- Ensure leaks are repaired and all follow up leak verification tests are properly performed and documented
- Address any critical leaking refrigerant systems to the HVAC Program Manager
- Ensure refrigerant acquisitions are properly documented
- Ensure all technicians are trained
- Assists in safety equipment deployment

## **2.6 EHS STAFF**

Staff responsible for the health and safety of the University community and ensuring environmental regulatory compliance.

- Serves as a resource to assist other staff in meeting the University of Michigan's obligations for refrigerant compliance management
- Assists in defining and assuring safe work practices related to regulated refrigerants
- Perform periodic audits on Trakref to ensure compliance

## **2.7 CONTRACTORS AND VENDORS**

Outside contractors and vendors that are hired by U-M F&O to work on refrigerant containing equipment.

- Shall be EPA certified
- Assist F&O Staff on refrigerant containing equipment
- Ensure refrigerant acquisitions are properly documented and provided to appropriate F&O department manager, Project Manager, and Construction Manager
- Ensure all health and safety work practices are followed

## **2.8 AEC AND CONSTRUCTION MANAGERS**

Staff responsible for the hired outside contractors and vendors for projects that involve refrigerant containing equipment.

- Ensure the contractors and vendors provide all refrigerant acquisition documents for repairs and new equipment installations
- Ensure the contractors and vendors are following health and safety work practices
- Ensure the contractors and vendors are following the refrigerant compliance plan
- Ensure all refrigerant acquisitions are documented and provided to the Refrigerant Coordinator

## **3.0 Refrigerant Acquisition, Handling, and Disposition**

OBJECTIVE: Define how refrigerant is purchased, managed, accounted for, and transferred.

### **3.1 PURCHASE OF REFRIGERANTS**

- All purchases of regulated refrigerants shall be done through U-M F&O Procurement and controlled through the F&O Material Services Unit to ensure a single entry point for new refrigerant and facilitate inventory control and compliance.

### **3.2 ACQUIRING AND DECOMMISSIONING REFRIGERANT CONTAINING APPLIANCES**

- All new and existing appliances containing 15 pounds or greater in any circuit shall be entered into Trakref to permit compliance with leak rate and leak repair requirements.
- New appliances containing less than 15 pounds of refrigerant need not be entered into Trakref database, but require a service form to be completed and filed with an administrative assistant during all refrigerant servicing.
- All refrigerant containing appliances of any size shall be decommissioned properly and records kept of disposition. See Appendix A for the Refrigerant Decommissioning Policy.

### **3.3 REFRIGERANT INVENTORY AND STORAGE**

- All purchases of regulated refrigerants shall be documented.
- To the maximum extent possible, all refrigerant must be purchased by a designated central department (in Facilities Maintenance, the F&O Materials Services Unit) so as to create a single entry point for new refrigerant and facilitate inventory control and compliance. Material Services Unit staff update databases (aka Google Sheets) and tag new tanks.

### **3.4 REFRIGERANT DISPOSITION**

- No illegal venting of refrigerant on the U-M campus while performing installation, service, or demolition of refrigerant containing appliances shall be permitted.

- No refrigerant containing appliance shall be disposed of without first being decommissioned (recovery) per the F&O RCA disposition process. See Appendix A for the F&O Maintenance Services Decommissioning Policy. Staff shall be trained in this procedure.

### **3.5 REFRIGERANT SERVICE ACTIVITY**

- No person shall perform any service activity involving a refrigerant containing appliance that could potentially cause a release of refrigerant unless,
  - A. Certified as a Refrigerant Technician under EPA Section 608 and
  - B. Authorized by the University to perform such service activity. A Refrigerant Technician must provide a copy of EPA Certification Card to management.
- All transfers of refrigerant to or from an RCA, and/or to or from a recovery cylinder or other container must be performed by a certified Technicians. See Appendix B for the Refrigerant Containing Appliance Service Form.

## **4.0 Recordkeeping and Reporting Requirements**

OBJECTIVE: Any person engaged in any listed refrigerant related activity shall comply with applicable rules and policies, be and familiar with and up to date on applicable requirements.

### **4.1 RECORDKEEPING**

- Recordkeeping and documentation within the database includes, but is not limited to the following:
  - Transfers of refrigerant to and from containers and appliances
  - Leak check work and leak repair verification
  - Refrigerant release incident reporting
  - Refrigerant purchases and refrigerant disposition
  - Technician certification
  - Annual compliance reporting (EHS)
  - Contractor/Vendor service recordkeeping
  - Retrofit/Retirement Plans for 15lb+ appliances exceeding trigger rate

- EPA Notifications for chronic leaking 15lb+ appliances
- Records shall be kept for at least the duration required by law and regulation (5 years)

#### **4.2 EHS REPORTING: RELEASES**

- Significant releases shall be reported, as soon as practicable, to EHS at 734-763-4568 during business hours or DPSS at 734-763-1131 during after hours to determine if reportable to the authorities.
- All follow up written reports will be submitted by EHS.
- EHS must provide notification or report to the USEPA for the following circumstances involving comfort cooling equipment with 15 pounds or more of full refrigerant charge which have leaked in excess of the trigger rate 10%:
  - Within 30 days of determination that repairs cannot be completed within 30 days of leak discovery and the system is not going to be retired or retrofitted. Follow current EPA Section 608 leak repair requirements in 40 CFR Part 82, Subpart F.

#### **4.3 ACTIVITY BY NONU-M PERSONNEL (CONTRACTORS, CONSTRUCTION PROJECTS)**

Vendors and contractors hired to work on U-M refrigerant containing property/ equipment must follow U-M refrigerant management procedure.

- Complete the “Contractor Refrigerant Containing Appliance Service Form” for all work and ensure all documentation is provided to the Project Manager or Construction Manager. Copy of form in Appendix C.

### **5.0 Training**

OBJECTIVE: HVAC staff shall receive documented initial and refresher training in section 608 compliance, work processes, and business procedures for activity and recordkeeping.

The HVAC Program Manager and EHS shall manage online training that covers:

- Basic Section 608 rules
- Policies and procedures for obtaining and disposing of regulated refrigerants
- Policies and procedures for executing and documenting refrigerant related service activity

- Safety procedures

Administrative and materials management staff shall receive necessary training in the business processes required to support field technicians.

## 6.0 Communication

The F&O Maintenance Services and EHS web pages provide additional information:

- The Refrigerant Compliance Plan
- Required service forms
  - <https://ehs.umich.edu/environmental/air/>
- Central Mechanical Systems contact information
  - <https://maintenance.fo.umich.edu/central-shops-programs/mechanical-systems/>
- EPA Section 608 Link (See Appendix D)
  - <https://www.epa.gov/section608/section-608-clean-air-act>

## 7.0 Definitions

### Appliance

Any device which contains and uses a Class I (chlorofluorocarbon; CFC), Class II (hydrochlorofluorocarbon; HCFC) substance or substitute (e.g. hydrofluorocarbon; HFC) as a refrigerant and which is used for household or commercial purposes, including any air conditioner, motor vehicle air conditioner, refrigerator, chiller, or freezer. For a system with multiple circuits, each independent circuit is considered a separate appliance. EPA interprets this definition to include all air-conditioning and refrigeration equipment except that designed and used exclusively for military purposes.

### Apprentice

Any person who is currently registered as an apprentice in maintenance, service, repair, or disposal of refrigerant containing appliances with the U.S. Department of Labor's Office of Apprenticeship (or a State Apprenticeship Council recognized by the Office of Apprenticeship).

### Major maintenance, service, or repair

Maintenance, service, or repair that involves removal of the appliance compressor, condenser, evaporator, or auxiliary heat exchanger coil.

### Reclaim

To reprocess recovered refrigerant to at least the purity specified in the Air-Conditioning, Heating, and Refrigeration Institute (AHRI) Standard 700-2016 and to verify this purity using the analytical methodology prescribed in the standard. Reclamation requires specialized machinery. The technician will recover the refrigerant and then send it either to a general reclaimer or back to the refrigerant manufacturer. U-M's requires reclaimed refrigerant to be put in the cylinder and then transported to the North Campus recovery shop.

### **Recover**

To remove refrigerant in any condition from an appliance and store it in an external container without necessarily testing or processing it in any way.

### **Recycle**

When referring to a refrigerant, recycle means to extract refrigerant from an appliance and clean refrigerant for reuse in equipment of the same owner without meeting all of the requirements for reclamation. In general, recycled refrigerant is refrigerant that is cleaned using oil separation and single or multiple passes through devices, such as replaceable core filter-driers, which reduce moisture, acidity, and particulate matter. Under [Section 609](#) of the Clean Air Act, refrigerant can be removed from one car's air conditioner, recycled on site, and then charged into a different car.

### **Refrigerant circuit**

The parts of an appliance that are normally connected to each other (or are separated only by internal valves) and are designed to contain refrigerant.

### **Small appliance**

Any of the following products that are fully manufactured, charged, and hermetically sealed in a factory with five pounds or less of refrigerant: refrigerators and freezers designed for home use, room air conditioners (including window air conditioners and packaged terminal air conditioners), packaged terminal heat pumps, dehumidifiers, under-the-counter ice makers, vending machines, and drinking water coolers.

### **Technician**

Any person who in the course of maintenance, service, or repair of an appliance could be reasonably expected to violate the integrity of the refrigerant circuit and therefore release refrigerants into the environment. Technician also means any person who in the course of disposal of an appliance (except small appliances) could be reasonably expected to violate the integrity of the refrigerant circuit and therefore release refrigerants from the appliances into the environment.

Activities reasonably expected to violate the integrity of the refrigerant circuit include but are not limited to: attaching or detaching hoses and gauges to and from the appliance; adding or removing refrigerant; adding or removing components; and cutting the refrigerant line. Activities

such as painting the appliance, rewiring an external electrical circuit, replacing insulation on a length of pipe, or tightening nuts and bolts are not reasonably expected to violate the integrity of the refrigerant circuit.

Activities conducted on appliances that have been properly evacuated are not reasonably expected to release refrigerants unless the activity includes adding refrigerant to the appliance.

Technicians could include but are not limited to installers, contractor employees, in-house service personnel, and owners and/or operators of appliances.

## 8.0 Plan Amendments

### *Plan Amendments and Updates*

<b>Sections Updated</b>	<b>Date</b>
Initial distribution of plan; placed on EHS website	06/2026

## 9.0 Resources

EPA Rule 608 - <https://www.epa.gov/section608>

UM EHS RULES AND PROCEDURES - <https://ehs.umich.edu/haz-waste/other-waste/refrigerants/>

UM EHS - <https://ehs.umich.edu/environmental/air/>

APPENDIX A  
DECOMMISSIONING POLICY

## **POLICY: ACCEPTANCE REQUIREMENTS FOR REFRIGERANT CONTAINING APPLIANCES TO BE DECOMMISSIONED BY MAINTENANCE SERVICES**

EPA regulations impose service and recordkeeping requirements for Refrigerant Containing Appliances (RCA's). Maintenance Services ensures University compliance with these requirements by decommissioning RCA's and managing disposition of waste refrigerants, oils, and the appliances themselves.

### **Acceptance Requirements for RCA's to be decommissioned by Maintenance Services**

All RCA's are to be decommissioned by Maintenance Services by filling out this google form: [Recovery of Refrigerant Containing Appliances Form](#)

All RCA's, prior to transport to the disposition site, **must** have a [Property Disposition Surplus Form](#) affixed to the unit.

All applicable equipment must have a [Laboratory Equipment Decontamination Form](#) completed and affixed to the RCA (Moving and Trucking will not pick up the RCA(s) without the proper documentation affixed). Items discovered at the drop off site without proper documentation, e.g., if moved there by other than Moving and Trucking, will prompt the initiation of an EHS investigation due to the loss of control of potentially harmful material into the campus community.

RCA's in this category are *refrigerators, freezers, ultracentrifuges, and all RCA's that may have been used for food, chemicals, biological matter, or been in contact with any potentially hazardous material or contaminant.*

RCA's that do not by their nature involve any possible exposure to potentially hazardous material or contaminants, do not need a decontamination form, e.g., window air conditioners, dehumidifiers, ice machines, water fountains, etc.

For all questions or concerns in regard to this policy, please contact the Decommission of RCA's Program via email at [RCA-decom@umich.edu](mailto:RCA-decom@umich.edu) or call Facilities Service Center at 734-647-2059 for assistance.

APPENDIX B

REFRIGERANT CONTAINING APPLIANCE SERVICE FORM (TRAKREF)

**UNIVERSITY OF MICHIGAN HVAC**

**REFRIGERANT CONTAINING APPLIANCE SERVICE FORM**

DATE: \_\_\_\_\_ HVAC TECHNICIAN \_\_\_\_\_

**WORK ORDER AND REFRIGERANT CONTAINING APPLIANCE INFORMATION**

WORK ORDER NUMBER: _____	TOTAL CHARGE LBS _____	CHECK IF APPLIANCE HAS 15LBS OR MORE IN ANY CIRCUIT <input type="checkbox"/> <b>≥ 15 LBS</b>
ASSET NUMBER _____	CIRCUITS _____	
BUILDING _____		
UNIT NAME _____		

**SERVICE NOTES**

LEAK FOUND DATE \_\_\_\_\_ LEAK REPAIRED DATE \_\_\_\_\_

**REFRIGERANT RECOVERED AND ADDED**

REFRIGERANT RECOVERED				
LBS	OZ	REFRIGERANT TYPE	CYLINDER TAG NUMBER	TOTAL RECOVERED
REFRIGERANT ADDED				
LBS	OZ	REFRIGERANT TYPE	CYLINDER TAG NUMBER OR IF NEW SN	TOTAL ADDED

**SERVICE DETAILS CIRCLE ALL THAT APPLY**

Trouble Issue	Purpose for Gas	Action Code	Leak Test	Follow-Up Leak Test
<b>Cause of Failure</b>	<b>Purpose for Gas</b>	Weld	Bubble Test	Bubble Test
Rub out	Leak	Replace	Dye Inject	Dye Inject
Joint failure	Top off	Bypass	Electric/Ultrasonic	Electric/Ultrasonic
Corrosion	Initial Install	Repair	Pressure	Pressure
Vibration	Seasonal	Remove	Evacuation	Evacuation
Abuse	Adjustment	Tighten		
Warranty		New Cap/Seal		
Seal failure		Relocate		
Rupture		Other: _____		
Catastrophe				
Mechanical failure				
ALDS				

FLIP PAGE TO FILL OUT LOCATION OF LEAKS

Scan completed form to [refrigerant@umich.edu](mailto:refrigerant@umich.edu)

APPENDIX C

VENDOR REFRIGERANT CONTAINING APPLIANCE SERVICE FORM (TRAKREF)

UNIVERSITY OF MICHIGAN

REFRIGERANT CONTAINING APPLIANCE SERVICE FORM

DATE: \_\_\_\_\_ VENDOR: \_\_\_\_\_ TECHNICIAN: \_\_\_\_\_

WORK ORDER AND REFRIGERANT CONTAINING APPLIANCE INFORMATION

PURCHASE ORDER NUMBER: _____	TOTAL CHARGE LBS _____	CHECK IF APPLIANCE HAS 15LBS OR MORE IN ANY CIRCUIT <input type="checkbox"/> <b>≥ 15 LBS</b>
ASSET NUMBER _____	CIRCUITS _____	
BUILDING _____		
UNIT NAME _____		

SERVICE NOTES

LEAK FOUND DATE \_\_\_\_\_ LEAK REPAIRED DATE \_\_\_\_\_

REFRIGERANT RECOVERED AND ADDED

REFRIGERANT RECOVERED				
LBS	OZ	REFRIGERANT TYPE	CYLINDER TAG NUMBER	TOTAL RECOVERED
REFRIGERANT ADDED				
LBS	OZ	REFRIGERANT TYPE	CYLINDER TAG NUMBER OR IF NEW SN	TOTAL ADDED

SERVICE DETAILS CIRCLE ALL THAT APPLY

Trouble Issue	Purpose for Gas	Action Code	Leak Test	Follow-Up Leak Test
<b>Cause of Failure</b>	<b>Purpose for Gas</b>	Weld	Bubble Test	Bubble Test
Rub out	Leak	Replace	Dye Inject	Dye Inject
Joint failure	Top off	Bypass	Electric/Ultrasonic	Electric/Ultrasonic
Corrosion	Initial Install	Repair	Pressure	Pressure
Vibration	Seasonal	Remove	Evacuation	Evacuation
Abuse	Adjustment	Tighten		
Warranty		New Cap/Seal		
Seal failure		Relocate		
Rupture		Other: _____		
Catastrophe				
Mechanical failure				
ALDS				

FLIP PAGE TO FILL OUT LOCATION OF LEAKS

Scan completed form to [refrigerant@umich.edu](mailto:refrigerant@umich.edu)

APPENDIX D  
EPA SECTION 608 OVERVIEW



## Section 608 of the Clean Air Act: Stationary Refrigeration and Air Conditioning



### Importance of Protecting the Ozone Layer

The stratospheric ozone layer shields the Earth from the sun's harmful ultraviolet radiation. Emissions of certain synthetic chemicals – including chlorofluorocarbons (CFCs), halons, and hydrochlorofluorocarbons (HCFCs) – that are commonly used as refrigerants, solvents, and insulating foams destroy the ozone layer and have created an "ozone hole" over the South Pole.

In addition, many of these ozone-depleting substances (ODS), as well as their substitutes such as hydrofluorocarbons (HFCs), are greenhouse gases that contribute to climate change. The purpose of this fact sheet is to help you understand requirements under the National Recycling and Emission Reduction Program.

### National Recycling and Emission Reduction Program

The Clean Air Act (CAA) defines EPA's responsibilities for protecting and improving the nation's air quality and the stratospheric ozone layer. Section 608 establishes the National Recycling and Emission Reduction Program.

### Prohibition on Venting

Section 608 prohibits individuals from intentionally venting ODS refrigerants (including CFCs and HCFCs) and their substitutes (such as HFCs), while maintaining, servicing, repairing, or disposing of air-conditioning or refrigeration equipment.

The purpose of this program is to:

- Implement the venting prohibition.
- Reduce the use and emission of CFCs and HCFCs.
- Maximize the recapture and recycling of CFCs and HCFCs.
- Ensure the safe disposal of CFCs and HCFCs.

### Phaseout of HCFCs

Through the Montreal Protocol on Substances that Deplete the Ozone Layer, the U.S. has committed to a collaborative international effort to end use of ozone-depleting substances. The U.S. phased out CFCs and halons in the mid 1990s. EPA is currently in the process of reducing HCFC production and import.

The schedule to phase out HCFCs follows:

#### January 1, 2010

Ban on production, import, and use of HCFC-22 and HCFC-142b, except for continuing servicing needs of existing equipment, achieving 75% of reduction goal.

#### January 1, 2015

Ban on production, import, and use of all HCFCs, except for continuing servicing needs of refrigeration equipment, achieving 90% of reduction goal.

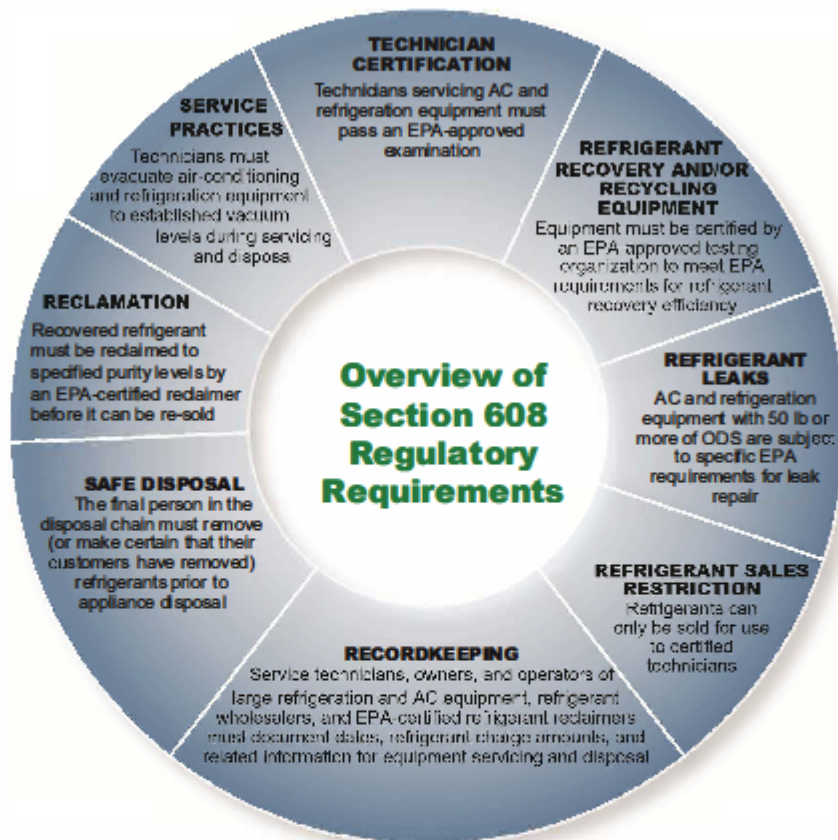
#### January 1, 2020

Ban on production and import of HCFC-22 and HCFC-142b, achieving 99.5% of reduction goal.

#### January 1, 2030

Ban on remaining production and import of HCFCs, resulting in complete HCFC phase out.

## Section 608 Regulatory Requirements: Stationary Refrigeration and Air Conditioning



Unless otherwise specified, section 608 requirements apply to all refrigerants, excluding a limited number of exemptions.

### Enforcement

EPA performs random inspections, responds to tips, and pursues potential cases against violators of the Section 608 regulations. EPA is authorized to assess fines for any violation of these regulations.

### Additional Resources

EPA Ozone Layer Protection  
Website: [epa.gov/ozone-layer-protection](http://epa.gov/ozone-layer-protection)

EPA Section 608 Website:  
[epa.gov/section608](http://epa.gov/section608)

EPA Enforcement Website:  
[epa.gov/tips](http://epa.gov/tips)

EPA Motor Vehicle Air Conditioning Website:  
[epa.gov/mvac](http://epa.gov/mvac)

EPA Responsible Appliance Disposal Website:  
[epa.gov/rad/](http://epa.gov/rad/)

EPA GreenChill Website:  
[epa.gov/greenchill/](http://epa.gov/greenchill/)