



Protection of Stratospheric Ozone: A Brief Overview of CFC Regulations

Presented by U.S. EPA – Region 5

April 23, 2010

Holland, MI

Complying with the regulations

If you accept motor vehicle air conditioners (MVAC) or MVAC-like appliances for recycling or disposal

Have the supplier sign a verification statement

Recover the refrigerant at your facility

Clean Air Act Verification Statement

Directions:
Complete statements 1 & 2.
Complete, sign, and date Seller information section.

- On today's date ____/____/____, I sold the following materials to [NAME, Inc.] (please check all that apply):
 - refrigerator(s)
 - air conditioning unit(s)
 - automobile(s) containing air conditioning units
 - other _____
- I certify that all refrigerants as defined in section 608 of the Clean Air Act and 40 CFR 82 within these materials were (please check only one):
 - removed from these materials prior to their coming into my possession as determined by (method of determination) _____
 - reclaimed prior to my delivery to [NAME, Inc.], by a certified technician in accordance with 40 CFR 82 (please attach receipt):
on Date: _____
by: Name: _____
Address: _____
Telephone Number: _____
 - neither removed nor reclaimed and need to be recovered by technicians employed by [NAME, Inc.]

Buyer Information	Seller Information (Please Print)
[NAME, Inc.]	Date: _____
[Address]	NAME: _____
[City, State, Zip]	CORPORATION: _____
[Phone]	STREET ADDRESS: _____
Accepted by: _____	CITY/STATE/ZIP: _____
[NAME, Inc.]	TELEPHONE NUMBER: _____
	SIGNATURE: _____

- all refrigerant has been recovered from the appliance
- who recovered the refrigerant and when
- the supplier's contact information and signature



**Verification Statements
or
Supplier Agreements**

Verification Statements

- Signed statement from supplier that ALL refrigerant has been properly recovered prior to delivery
- Date, name, address of person who recovered refrigerant (a copy of the receipt would be helpful)
- Must be kept for 3 years

Improper Verification Statements

Clean Air Act Verification Statement

Directions:

Complete statements 1 & 2.
Complete, sign, and date Seller Information section.

1. On today's date 5/19/08, I sold the following materials to [NAME, Inc.]
(please check all that apply):

- refrigerator(s)
 air conditioning unit(s)
 automobile(s) containing air conditioning units

other _____

2. I certify that all refrigerants as defined in section 608 of the Clean Air Act and 40 CFR 82 within these materials were (please check only one):

- removed from these materials prior to their coming into my possession as determined by (method of determination):

cut lines / let drain

reclaimed prior to my delivery to [NAME, Inc.], by a certified technician in accordance with 40 CFR 82 (please attach receipt):

on Date: _____

by: Name: _____

Address: _____

Telephone Number: _____

Clean Air Act Verification Statement

Directions:

Complete statements 1 & 2.
Complete, sign, and date Seller Information section.

1. On today's date 2/11/08, I sold the following materials to _____
(please check all that apply):

- refrigerator(s)
 air conditioning unit(s)
 automobile(s) containing air conditioning units

other _____

2. I certify that all refrigerants as defined in section 608 of the Clean Air Act and 40 CFR 82 within these materials were (please check only one):

- removed from these materials prior to their coming into my possession as determined by (method of determination):

I just took it out

reclaimed prior to my delivery to _____, by a certified technician in accordance with 40 CFR 82 (please attach receipt):

on Date: _____

by: Name: _____

Address: _____

Telephone Number: _____

Proper Verification Statement

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Clean Air Act Verification Statement

Directions:

Complete statements 1 & 2.
Complete, sign, and date Seller Information section.

1. On today's date 4/1/10, I sold the following materials to [NAME, Inc.] (please check all that apply):
- refrigerator(s)
 - air conditioning unit(s)
 - automobile(s) containing air conditioning units
 - other _____
2. I certify that all refrigerants as defined in section 608 of the Clean Air Act and 40 CFR 82 within these materials were (please check only one):
- removed from these materials prior to their coming into my possession as determined by (method of determination):

 - reclaimed prior to my delivery to [NAME, Inc.], by a certified technician in accordance with 40 CFR 82 (please attach receipt):
on Date: 3/30/10
by: Name: GOLDEN REFRIGERANT
Address: 12901 NEWBURGH RD.
Telephone Number: 743-793-1400
 - neither removed nor reclaimed and need to be recovered by technicians employed by [NAME, Inc.]

Buyer Information	Seller Information (Please Print)
[NAME, Inc.]	Date: <u>4-1-10</u>
[Address]	NAME: <u>JANE DOE</u>
[City, State Zip]	CORPORATION: <u>X42 CORP.</u>
[Phone]	STREET ADDRESS: <u>123 MAIN ST.</u>
Accepted by: <u>[Signature]</u>	CITY/STATE/ZIP: <u>LIVONIA, MI 48150</u>
[NAME]	TELEPHONE NUMBER: <u>987-432-1111</u>
	SIGNATURE: <u>[Signature]</u>

SEP 23 2009

Date: 9-21-09

Certification of CFC removal from automobiles

By this agreement we hereby certify and agree that all refrigerants and other ozone-depleting chemicals (CFCs) will be properly removed from automobiles in accordance with applicable EPA and State requirements prior to delivery of automobiles to [REDACTED]. We understand that [REDACTED] will reject shipments of automobiles for noncompliance with this requirement.

In consideration of purchase of this material we, the seller, certify that all refrigerant (including but not limited to chlorofluorocarbons (CFCs) and hydrochlorofluorocarbons (HCFCs), as defined in Section 608 of the Clean Air Act and 40 CFR Part 82) that has not leaked previously will be recovered from automobiles to be delivered under this contract of sale prior to delivery. We, the seller, further agrees to indemnify and hold [REDACTED] harmless from any claim, penalty, fine, fee, cost, attorney's fees, of other liability resulting in whole or in part from seller's breach of certification.

*
Company Name: [REDACTED]
Address: [REDACTED]
City, State, Zip: [REDACTED]
Authorized Signature: [REDACTED]
Name (please print): [REDACTED]
Date: 9 21 09
VIN #: [REDACTED]

Refrigerant Recovery

Refrigerant Recovery

**Servicing and salvaging
MVACs and MVAC-like
appliances**



- Must be certified technician
- Must use certified and registered equipment
- Refrigerant disposal/recycling – amount, where did you send it, etc.
- Records on-site for 3 years
- Keep copies of everything (e.g. certification, registration)

**Disposal and Recycling
of MVACs and MVAC-
like appliances**



- Must use certified and registered equipment
- Refrigerant disposal/recycling – amount, where did you send it, etc.
- Technician certification recommended
- Records on-site for 3 years
- Keep copies of everything (e.g. certification, registration)

Refrigerant Recovery

- **Technician certification programs under Section 608 of Clean Air Act**
 - Website: www.epa.gov/ozone/title6/608/technicians/608certs.html
 - Revoked programs: www.epa.gov/ozone/title6/608/revoke.html
- **Certified Recovery Equipment under Section 609 of Clean Air Act**
 - Recovery equipment priced ~\$700-\$1500
 - Website: www.epa.gov/ozone/title6/609/technicians/appequip.html
 - Must notify EPA when you obtain recovery equipment (standard one-page form)
 - Equipment certification form:
www.epa.gov/ozone/title6/609/mvac_cert_form.pdf

Benefits of recovery

- Environmental protection
 - R-12 - Ozone Depleting
 - R-134A - Global Warming Potential
- Monetary
 - Phase Outs of R-12 and R-22



Questions?



www.epa.gov/ozone/strathome.html