



UNITED STATES MARINE CORPS
MARINE CORPS AIR STATION
PSC BOX 8003
CHERRY POINT, NORTH CAROLINA 28533-0003

AirSta0 5090.6
LN
12 Jan 96

AIR STATION ORDER 5090.6

From: Commanding General
To: Distribution List

Subj: OZONE DEPLETING SUBSTANCE (ODS) MANAGEMENT

Ref: (a) AirSta0 5090.3
(b) Defense Authorization Act of FY93 (NOTAL)
(c) Navy Department Acquisition Procedures Supplement
(NAPS), Part 5210

Encl: (1) Ozone Depleting Substances
(2) ODS Material Inventory Form
(3) MVAC Recover/Recycle or Recover Equipment Certification
Form
(4) Required Practices for Compliance with Recycling and
Emissions Reduction Rules
(5) The United States Environmental Protection Agency (EPA)
Refrigerant Recovery or Recycling Device Acquisition
Certification Form
(6) Navy Department Acquisition Procedures Supplement,
Table 5210-90
(7) DRMO ltr of 4 Aug 93

1. Purpose. To establish policy and procedure for the management of ODS's at Marine Corps Air Station (MCAS), Cherry Point.

2. Background. Stratospheric ozone shields the earth's surface from harmful ultraviolet radiation. Atmospheric emissions of ODS's which include chlorofluorocarbons (CFC), halons, methyl chloroform, carbon tetrachloride, and hydrochlorofluorocarbons (HCFC) are known to be depleting the stratospheric ozone. The Environmental Protection Agency (EPA) has promulgated regulations to phase out production and reduce emissions of these ODS's. Enclosure (1) identifies the regulated Class I and Class II ODS's.

3. Definitions

a. Recycle. To extract refrigerant from an appliance and clean refrigerant for reuse 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.

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b. Technician. Any person who performs maintenance, service, or repair that could reasonably be expected to release Class I (CFC) or Class II (HCFC) substances into the atmosphere. These persons include, but are not limited to, installers, contractor employees, in-house service personnel, and in some cases, owners. Technician also means any person disposing of appliances except for small appliances.

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

d. Motor Vehicle. Any vehicle which is self-propelled and designed for transporting persons or property on a street or highway, including, but not limited to, passenger cars, light duty vehicles, and heavy duty vehicles.

e. Motor Vehicle Air Conditioners (MVAC). Mechanical vapor compression refrigeration equipment used to cool the driver's or passenger's compartment of any motor vehicle.

f. Appliance. Any device which contains and uses a Class I (CFC) or Class II (HCFC) substance as a refrigerant and which is used for household or commercial purposes, including any air conditioner, refrigerator, chiller, or freezer. EPA interprets this definition to include all air conditioning and refrigeration equipment, except that designed and used exclusively for military purposes.

g. MVAC-like Appliance. Mechanical vapor compression, open-drive compressor appliances used to cool the driver's or passenger's compartment of a non-road vehicle, including agricultural and construction vehicles. This definition excludes appliances using HCFC-22.

h. Class I Substance. Any substance designated as Class I in 40 CFR part 82, appendix A to subpart A, including CFC's, halons, carbon tetrachloride, methyl chloroform, and any other substance so designated by the agency at a later date.

i. Class II Substance. Any substance designated as Class II in 40 CFR part 82, appendix A to subpart A, including HCFC's and any other substance so designated by the agency at a later date.

j. Approved Refrigerant Recycle Equipment. Equipment certified by the EPA (or an approved testing organization) as meeting the regulatory standards. Such equipment extracts and recycles refrigerant or extracts refrigerant for recycling on-site or reclamation off-site.

k. 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.

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1. 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.

m. High-pressure Appliance. **An** appliance that uses a refrigerant with a boiling point between -50 and 10 degrees centigrade at atmospheric pressure (**29.9** inches of mercury). This definition includes, but is not limited to, appliances using refrigerants **-12, -22, -114, -500, or -502.**

n. Very High-pressure Appliance. **An** appliance that uses a refrigerant with a boiling point below -50 degrees centigrade at atmospheric pressure (**29.9** inches of mercury). This definition includes, but is not limited to, equipment utilizing refrigerants **-13 and -503.**

o. Low-pressure Appliance. **An** appliance that uses a refrigerant with a boiling point above 10 degrees centigrade at atmospheric pressure (**29.9** inches mercury). This definition includes, but is not limited to, equipment utilizing refrigerants **-11, -113, and -123.**

p. Self-contained Recovery Equipment. Recovery or recycling equipment that is capable of removing the refrigerant from an appliance without the assistance of components contained in the appliance.

q. System-dependent Recovery Equipment. Recovery equipment that requires the assistance of components contained in an appliance to remove the refrigerant from the appliance.

r. Reclaim. To reprocess refrigerant to at least the purity specified in the American Refrigeration Institute Standard **700-1988**, Specifications for Fluorocarbon Refrigerants, and to verify this purity using the analytical methodology prescribed in the Standard.

4. Organization. In accordance with reference (a), the Environmental Affairs Department (EAD) shall act as the Air Station's ODS management coordinator. Department/unit environmental coordinators shall act as ODS management coordinators at the department/unit level.

5. Action

a. EAD shall:

(1) Establish an Air Station ODS transition team.

(2) Coordinate and administer DoD's freon recovery and recycling testing and certification program, CERTTEST.

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(3) Maintain a list of "off-site", EPA approved, freon recovery and recycling training and certification programs.

(4) Inspect the Air Station for compliance with applicable laws, regulations, and directives, and make recommendations for improving the effectiveness and completeness of the Air Station's ODS management program.

b. All departments/units shall comply with established Marine Corps ODS management policies to:

(1) Prevent the illegal release of ODS's to the atmosphere.

(2) Modify operational, training, and testing practices to minimize the emissions of CFC and halons when appropriate.

(3) Minimize the use of and dependence upon ODS's through substitution and conservation practices where consistent with mission requirements.

(4) By the year 2000, eliminate procurement of CFC and halon substances.

(5) Establish an ODS material inventory and accountability program. Inventory records of ODS materials shall be maintained at each department/unit and shall be available for review by EAD and federal and state agencies. ODS material inventory records shall include:

(a) Pounds of ODS procured/purchased (by type).

(b) Pounds of ODS processed for disposal (by type).

(c) Pounds of ODS in storage (by type).

(d) Pounds of ODS in use in equipment (by type).

Enclosure (2), the ODS Material Inventory Form may be used for this purpose, or inventory results may be tabulated and accountability maintained in accordance with an existing recordkeeping procedure.

(6) Immediately suspend any sales, issues, or disposal of ODS's outside of the Navy/Marine Corps.

(7) Service MVAC's in accordance with EPA regulations. Specifically, all departments/units that service MVAC shall:

(a) Use EPA approved MVAC freon recovery/recycle equipment during all maintenance/service/repair activities (equipment meeting the requirements of 40 CFR 82.36).

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(b) Provide that all persons authorized to operate MVAC freon recovery/recycle or recycle equipment are trained and certified in refrigerant recovery and recycling under 40 CFR 82.40.

(c) Maintain on-site for a minimum of three years, readily available for audit by the federal and state agencies and EAD, the following records:

1 The name and address of any facility to which refrigerant is sent for reclamation.

2 Training records and copies of technicians's certificates demonstrating that all persons authorized to operate WAC freon recovery/recycle equipment are trained and certified in refrigerant recovery and recycling under 40 CFR 82.40.

3 **An** inventory of the recovery/recycle equipment on hand, including copies of manufacturer's specifications and owner's manuals for each piece of equipment.

4 Within 5 days of receipt of any new MVAC freon recover/recycle equipment, notify the EAD in order that a MVAC Recover/Recycle or Recover Equipment Certification Form [enclosure (3)], may be completed and forwarded to the EPA.

(8) Maintain, service, repair, and dispose of refrigeration, air conditioning, and WAC-like appliances, or dispose of MVAC in accordance with EPA regulations. Specifically, those departments/units that maintain, service, repair, and dispose of refrigeration, air conditioning and MVAC-like appliances or dispose of MVAC shall:

(a) Observe the required practices set forth in the recycling and emissions reduction regulations. Enclosure (4) identifies the required practices for recycling and emissions reduction.

(b) Use only recovery/recycle equipment that meets EPA recovery/recycle equipment performance standards (for equipment manufactured before 15 November 1993) or that is EPA certified (for equipment manufactured after 15 November 1993) for the particular type of appliance being serviced. For equipment manufactured before 15 November 1993, a U.S. EPA Refrigeration Recovery and Recycling Device Acquisition Certification Form [enclosure (5)], shall be completed and filed with EPA through the EAD.

(c) Provide that those persons opening appliances (except MVAC) and disposing of appliances (except small appliances, MVAC or WAC-like appliances) are certified through an EPA approved certification organization. Pursuant to paragraph 5a(2), EAD shall administer DoD's testing and certification program CERTEST, for cost free "in-house" testing and certification of any DoD employee. EAD shall also maintain a list of "outside" EPA approved testing and certification programs.

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(d) Maintain on-site, for a minimum of 3 years, stored in a single location and readily available for inspection by federal agencies and EAD the following records:

1 For appliances normally containing 50 or more pounds of refrigerant, service records documenting the date and type of service, as well as the quantity of refrigerant purchased and added to the appliance.

2 Training records and copies of technician's certificates demonstrating that all persons authorized to operate freon recovery/recycle or recovery equipment are certified through an EPA approved technician certification program, including copies of technician certificates.

3 Copies of any signed statements provided to the DRMO pursuant to paragraph 6b of enclosure **(4)**.

4 An inventory of the recovery/recycle equipment on hand, including copies of U.S. EPA Refrigeration Recovery or Recycling Device Acquisition Certification Forms which have been forwarded to the EPA, manufacturer's specifications, owners manuals, and dates of manufacture.

(9) Comply with established Marine Corps Class I ODS material acquisition policy. Acquisition policy is applicable to all DoD contracts which specify the use or purchase of Class I materials.

(a) New contracts shall not include specifications or standards for the use of Class I material unless approved by a general or flag officer or Senior Executive Service member [referred to hereafter as a senior acquisition official (SAO)] of the requiring activity. The basis for SAO approval shall be certification by an approved/appropriate technical representative (ATR) that a suitable substitute for the Class I ODS is not currently available.

(b) The "requiring activity" is the activity originating the procurement request (PR). The requiring activity is responsible for reviewing applicable contract specifications and standards for Class I ODS requirements and obtaining the appropriate ATR certification and SAO approval.

(c) ATR certification and SAO approval shall be in writing and included in the PR submittal to the contracting office. A sample format for technical certification and approval for new contracts is provided as enclosure **(6)**.

(d) The ATR shall be an individual who has sufficient technical experience and knowledge to provide a competent certification. It is recognized that a requiring activity may not have the expertise or resources to identify and qualify Class I ODS alternative technology or to certify that no suitable substitute

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exists, or the authority to change MIL-SPECs or MIL-STDs that require Class I ODS's. In these situations, the lowest level office having authority to alter the process, specification, or standard at issue will be considered the ATR.

(e) The **SAO** is an official at a level no lower than a general or flag officer or member of the Senior Executive Service within the requiring activity or the requiring activity chain of command.

c. Supply Directorate. To promote a proactive transition away from dependence upon Class I materials at this Air Station and to comply with reference (b), the Supply Directorate shall implement procedures of reference (c).

d. Contracting Officer. If a PR contains an ATR certification and **SAO** approval, the Contracting Officer shall verify that the appropriate documentation has been obtained and provided. The Contracting Officer will assume (unless he/she has knowledge to the contrary) that no Class I ODS documentation is required if neither an approval nor a certification is included in the procurement package.

e. Senior Acquisition Official. Approval authority is at the general officer level and may not be delegated below the O-7 level.

f. Defense Reutilization and Marketing Office (DRMO). The DRMO shall:

(1) Operate in accordance with this Order and Defense Logistics Agency (DLA) directives. DRMO is accountable to the Commanding General, MCAS Cherry Point, for conducting operations in accordance with federal and state regulations and/or directives of higher authority.

(2) Develop a refrigeration, air conditioner, and MVAC-like appliance and **MVAC** turn-in procedure to ensure compliance with applicable disposal regulations. Enclosure (7) is the current DRMO "Refrigerant Systems, Turn-in Policy".

g. Training/Education Directorate. The Training/Education Directorate shall:

(1) Schedule employees for training and certification testing.

(2) Maintain official employee records of MVAC and AC & R technician training and certification testing.

h. Facilities Directorate. The Facilities Development Department and Facilities Maintenance Department shall budget for, develop, and implement a program to retrofit or replace all plant equipment containing Class I ODS's to accommodate EPA SNAP approved refrigerants by 31 December 2000. SNAP approved refrigerants have an ozone depleting potential (ODP) of 0.05 or less for heating, ventilation,

air conditioning, and refrigeration equipment and 0.2 or less for fire fighting equipment. This equipment phase out policy does not apply to small appliances.

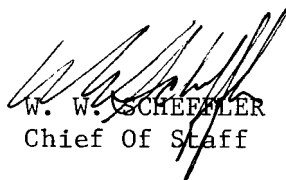
i. Morale, Welfare and Recreation. MWR shall budget for, develop, and implement a program to retrofit or replace all Class III and minor property under their control containing Class I ODS's to accommodate EPA SNAP approved refrigerants by 31 December 2000.

6. Records Disposition Instructions. Records pertaining to ODS management, such as inventory and accountability records, reports, correspondence, inspections, etc., shall be maintained for 3 years. Records may be destroyed after 3 years. Repair technician training/certification records shall be maintained indefinitely. Recovery/recycle equipment inventory records shall be maintained for the life of the equipment.

7. Forms Availability. The forms shown in enclosures (2), (3), and (5) and (6) may be reproduced locally.

8. Violations. The intentional venting or negligent release of freon during the maintenance/service/repair or disposal of refrigeration, air conditioning, and WAC-like appliances and MVAC's is a violation of this Order. The Commanding General, MCAS Cherry Point, as well as individual departments/units, may be held personally liable for violations of environmental laws. Under reference (a), EPA is authorized to assess fines of up to \$25,000 per day for any violation of the refrigerant recycling and emissions reduction regulations.

9. Concurrence. The Commanding General, 2d Marine Aircraft Wing; the Commanding Officers, Naval Aviation Depot and Combat Service Support Detachment 21; the Commander, 12th Dental Company; and the Chief, Defense Reutilization and Marketing Office concur with the contents of this Order insofar as it pertains to members of their command.


W. W. SCHEFFLER
Chief Of Staff

DISTRIBUTION: A-2 plus LN (50)

OZONE DEPLETING SUBSTANCES

| Class I |
|----------------------|
| Group I |
| CFC-11 |
| CFC-12 |
| CFC-113 |
| CFC-114 |
| CFC-115 |
| Group II |
| Halon-1211 |
| Halon-1301 |
| Halon-2402 |
| Group III |
| CFC-13 |
| CFC-111 |
| CFC-112 |
| CFC-211 |
| CFC-212 |
| CFC-213 |
| CFC-214 |
| CFC-215 |
| CFC-216 |
| CFC-217 |
| Group IV |
| Carbon tetrachloride |
| Group V |
| Methyl chloroform |

| Class II | |
|-----------------|----------|
| HCFC-21 | HCFC-243 |
| HCFC-22 | HCFC-244 |
| HCFC-31 | HCFC-251 |
| HCFC-121 | HCFC-252 |
| HCFC-122 | HCFC-253 |
| HCFC-123 | HCFC-261 |
| HCFC-124 | HCFC-262 |
| HCFC-131 | HCFC-271 |
| HCFC-132 | |
| HCFC-133 | |
| HCFC-141 | |
| HCFC-142 | |
| HCFC-221 | |
| HCFC-222 | |
| HCFC-223 | |
| HCFC-224 | |
| HCFC-225 | |
| HCFC-226 | |
| HCFC-232 | |
| HCFC-233 | |
| HCFC-234 | |
| HCFC-235 | |
| HCFC-241 | |
| HCFC-242 | |

ENCLOSURE (1)

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Nomenclature Identification and Conversion Sheet

| <u>Compound</u> | <u>Names</u> | <u>Gallons to Pounds¹</u> |
|-----------------------|---|--|
| CFC-11 | R-11 Freon 11 Genetron 11 Trichlorofluoromethane (CCl ₃ F) | 12.32 |
| CFC-12 | R-12 Freon-12 Genetron 12 Dichlorodifluoromethane (CCl ₂ F ₂) | 11.06 |
| CFC-22 | R-22 Freon-22 Genetron 22 Chlorodifluoromethane (CHClF ₂) | 10.09 |
| CFC-113 | R-113 Freon 113 Freon TF Genetron 113 1,1,2-Trichloro-1,2,2-trifluoroethane (C ₂ Cl ₃ F ₃) | 13.06 |
| CFC-114 | R-114 Freon 114 Genetron 114 Dichlorotetrafluoroethane (C ₂ Cl ₂ F ₄) | 12.26 |
| Methylchloroform (MC) | Trichloroethane 1,1,1-trichloroethane (C ₂ H ₃ Cl ₃) | 11.06 |
| Carbon Tetrachloride | Carbon Tet Tetrachloromethane Perchloromethane (CCl ₄) | 13.23 |
| Halon 1211 | Bromochlorodifluoromethane (CBrClF ₂) | 18.34 |
| Halon 1301 | Bromotrifluoromethane (CBrF ₃) | 15.74 |

Notes: 1. To convert from gallons to pounds, multiply the quantity in gallons by the number in this column for the chemical in question.

ENCLOSURE (1)

ODS Material Inventory Form

Command:

Unit:

Bldg No:

Environmental Coordinator (POC):

Phone:

Type of ODS _____

| | | | | | | | |
|---|--|--|--|--|--|--|--|
| date | | | | | | | |
| lbs of ODS procured | | | | | | | |
| lbs of ODS in storage (3) | | | | | | | |
| lbs of ODS in equipment (4) | | | | | | | |
| lbs of ODS processed for reclamation/ disposal (5) | | | | | | | |
| lbs of ODS lost/leaked (6) | | | | | | | |
| total on hand (3+4-5-6) | | | | | | | |

MVAC RECOVER/RECYCLE OR RECOVER EQUIPMENT CERTIFICATION FORM

| | |
|---|--|
| <p>1 _____ Name of Establishment</p> <p>_____ Street</p> <p>_____ City, State, Zip Code</p> <p>_____ (Area Code) Telephone Number</p> | <p>4 Small Entity Certification.</p> <p>I certify that fewer than 100 jobs involving refrigerant were performed at the establishment named in Part 1 of this form during 1990. I will purchase approved equipment and certify this to EPA by January 1, 1993.</p> <p>_____ Signature</p> <p>_____ Date</p> <p>_____ Name (Please Print)</p> <p>_____ Title</p> |
| <p>2 _____ Name of Equipment Manufacturer and Model Number</p> <p>_____ Serial Number(s)</p> <p>_____ Year</p> | <p>3 I certify that I have acquired approved recover/recycle or recover equipment under Section 609 of the Clean Air Act. I certify that only properly trained and certified technicians operate the equipment and that the information given above is true and correct.</p> <p>_____ Signature of Owner/Operator</p> <p>_____ Date</p> <p>_____ Name (Please Print)</p> <p>_____ Title</p> |
| <p>MVAC RECOVER/RECYCLE OR RECOVER EQUIPMENT CERTIFICATION FORM INSTRUCTIONS</p> <p>Motor vehicle recover/recycle or recover equipment must be acquired by January 1, 1992 and certified to EPA on or before January 1, 1993 under Section 609 of the Clean Air Act. To certify your equipment, please complete the above form according to the following instructions and mail to EPA at the following address: MVACs Recycling Program Manager, Stratospheric Ozone Protection Branch, (6202-J), U.S. EPA, 401 M Street, S.W., Washington, D.C. 20460.</p> <ol style="list-style-type: none"> 1 Please provide me name, address and telephone number of the establishment where the recover/recycle or recover equipment is located. 2 Please provide the name brand, model number, year, and serial number(s) of the recover/recycle or recover equipment acquired for use at the above establishment. 3 The certification statement must be signed by the person who has acquired the recover/recycle or recover equipment (the person may be the owner of the establishment or another responsible officer). The person who signs is certifying that they have acquired the equipment, that each individual authorized to use the equipment is properly trained and certified, and that the information provided is true and correct. 4 Small Entity Certification. Service establishments that serviced fewer than 100 jobs involving refrigerant during 1990 are not required to purchase equipment until January 1, 1993. To qualify for this one year extension, the owner must fill out Part 1, sign the statement in Part 4 above, and send this form to EPA. Upon inspection, the owner must be able to prove it serviced fewer than 100 jobs in 1990. Small entities must buy approved equipment and certify to EPA by January 1, 1993. | |

Send this form to:
MVACs Recycling Program Manager
Stratospheric Ozone
Protection Branch
(62024)
U.S. EPA
401 M Street, S.W.
Washington, D.C. 20460

15-3
Appendix B to Subpart B—Standard for Recover Equipment [Reserved]
[FR Doc. 92-15861 Filed 7-13-92, 8:45 am]
BILLING CODE 6960-60-4

**REQUIRED PRACTICES FOR COMPLIANCE WITH RECYCLING
AND EMISSIONS REDUCTION RULES**

1. Effective 13 July 1993, all persons opening appliances (except for MVAC's) for maintenance, service, or repair must evacuate the refrigerant in either the entire unit or the part to be serviced to a system receiver or a recovery or recycling machine certified pursuant to the regulations. All persons disposing of appliances (except for small appliances, MVAC's, and WAC-like appliances) must evacuate the refrigerant in the entire unit to a recovery or recycling machine certified pursuant to the regulations.

a. Persons opening appliances (except for small appliances, MVAC's, and WAC-like appliances) for maintenance, service, or repair must evacuate to the levels in Table 1 before opening the appliance.

b. If evacuation of the appliance to the atmosphere is not to be performed after completion of the maintenance, service, or repair, and if the maintenance, service, or repair is not major (i.e., involving the removal of any or all of the following components: compressor, condenser, evaporator, or auxiliary heat exchanger coil.) the appliance must:

(1) Be evacuated to a pressure no higher than 0 psig before it is opened if it is a high or very high-pressure appliance; or

(2) Be pressurized to 0 psig before it is opened if it is a low-pressure appliance, without using methods, e.g., nitrogen, that require subsequent purging.

c. If, due to leaks in the appliance, evacuation to the levels in Table 1 is not attainable, or would substantially contaminate the refrigerant being recovered, persons opening the appliance must:

(1) Isolate leaking from non-leaking components wherever possible;

(2) Evacuate non-leaking components to be opened to the levels specified in Table 1; and

(3) Evacuate leaking components to be opened to the lowest level that can be attained without substantially contaminating the refrigerant. In no case shall this level exceed 0 psig.

d. Persons disposing of appliances (except small appliances, MVAC's, and WAC-like appliances) must evacuate to the levels in Table 1.

e. Persons opening small appliances for maintenance, service, or repair must:

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(1) When using recycling and recovery equipment manufactured before **15 November 1993**, recover 80% of the refrigerant in the small appliance; or

(2) When using recycling and recovery equipment manufactured on or after **15 November 1993**, recover **90%** of the refrigerant in the appliance when the compressor in the appliance is operating, or 80% of the refrigerant in the appliance when the compressor in the appliance is not operating; or

(3) Evacuate the small appliance to four inches of mercury vacuum.

f. Persons opening MVAC-like appliances for maintenance, service, or repair may do so only while properly using equipment as follows:

(1) For equipment manufactured or imported on or after **15 November 1993**, the equipment must be certified in accordance with MVAC recovery and recycling equipment certification requirements.

(2) For equipment manufactured or imported before **15 November 1993**, the equipment must be capable of reducing the system pressure to 102 mm of mercury vacuum under the conditions of the SAE Standard, SAE J1990.

2. Effective **13 July 1993**, all persons opening appliances (except for small appliances and MVAC's) for maintenance, service, or repair and all persons disposing of appliances (except for small appliances) must have at least one piece of certified, self-contained recovery equipment available at their place of business.

3. System-dependent recovery equipment shall not be used with appliances normally containing more than **15 pounds** of refrigerant.

4. All recovery or recycling equipment shall be used in accordance with the manufacturer's directions.

5. Refrigerant may be returned to the appliance from which it is recovered or to another appliance owned by the same person without being recycled or reclaimed, unless the appliance is an MVAC-like appliance.

6. Effective **13 July 1993**, persons who take the final step in the disposal process of small appliances, room air-conditioner, MVAC's, or MVAC-like appliances must either:

a. Recover any remaining refrigerant from the appliance in accordance with these rules.

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b. Verify that the refrigerant has been evacuated from the appliance previously. Such verification must include a signed statement from the person from whom the appliance is obtained that all refrigerant that had not leaked previously has been recovered from the appliance in accordance with regulations. The statement must include the name and address of the person who recovered the refrigerant and the date the refrigerant was recovered or a contract that refrigerant will be removed prior to delivery.

c. Persons complying with paragraph 6(b) must notify suppliers of appliances that refrigerant must be properly removed before delivery of the items to the facility. The form of this notification may be warning signs, letters to suppliers, or other equivalent method.

7. All persons recovering refrigerant from MVAC's and WAC-like appliances for purposes of disposal of these appliances must reduce the system pressure to or below 102 mm of mercury vacuum using equipment capable of reducing the system pressure to 102 mm of mercury vacuum under the conditions of the SAE Standard, SAE J1990.

8. All persons recovering the refrigerant from small appliances for purposes of disposal of these appliances must either:

a. Recover **90%** of the refrigerant in the appliance when the compressor in the appliance is operating, or 80% of the refrigerant in the appliance when the compressor in the appliance is not operating; or

b. Evacuate the small appliance to four inches of mercury vacuum.

9. Owners of commercial refrigeration and industrial process refrigeration equipment must have all leaks repaired if the equipment is leaking at a rate such that the loss of the refrigerant will exceed **35 percent** of the total charge during a 12 month period.

10. Owners of appliances normally containing more than 50 pounds of refrigerant and not covered by paragraph 9 must have all leaks repaired if the appliance is leaking at a rate such that the loss of the refrigerant will exceed 15 percent of the total charge during a 12 month period.

11. Owners must repair leaks pursuant to paragraphs 9 and 10 within **30 days** of discovery or within **30 days** of when the leak(s) should have been discovered, if the owners intentionally shielded themselves from information which would have revealed a leak.

ENCLOSURE (4)

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TABLE 1
REQUIRED LEVELS OF EVACUATION FOR APPLIANCES
EXCEPT FOR SMALL APPLIANCES, MVACS, AND MVAC-LIKE APPLIANCES

| Type of Appliance | Inches of Mercury Vacuum' Using Equipment Manufactured: | |
|---|--|------------------------------|
| | Before Nov. 15, 1993 | On or after Nov. 15, 1993 |
| HCFC-22 appliance" normally containing less than 200 pounds of refrigerant | 0 | 0 |
| HCFC-22 appliance" normally containing 203 pounds or more of refrigerant | 4 | 10 |
| | | |
| Other high-pressure appliance" normally containing 200 pounds or more of refrigerant (CFC-12, -500, -502, -114) | 4 | 15 |
| | 0 | 0 |
| Cow-Pressure Appliance (CFC-11, HCFC-123) | 25 | 25 mm Hg absolute |

ENCLOSURE (4)

EPA regulations require establishments that service or dispose of refrigeration or air conditioning equipment

Number of Service Vehicles Based at Establishment

County

PART 2: REGULATORY CLASSIFICATION

Identify the type of work performed by the establishment. Check all boxes that apply.

- Type A - Service small appliances
- Type B - Service refrigeration or air conditioning equipment other than small appliances
- Type C - Dispose of small appliances
- Type D - Dispose of refrigeration or air conditioning equipment other than small appliances

PART 3: DEVICE IDENTIFICATION

| | Name of Device(s) | Manufacturer | Model Number | Year | Serial Number (if any) | Check Box if Seal Contained |
|----|-------------------|--------------|--------------|------|------------------------|-----------------------------|
| 1. | | | | | | <input type="checkbox"/> |
| 2. | | | | | | <input type="checkbox"/> |
| 3. | | | | | | <input type="checkbox"/> |
| 4. | | | | | | <input type="checkbox"/> |
| 5. | | | | | | <input type="checkbox"/> |
| 6. | | | | | | <input type="checkbox"/> |
| 7. | | | | | | <input type="checkbox"/> |

PART 4: CERTIFICATION SIGNATURE

I certify that the establishment in Part 1 has acquired the refrigerant recovery or recycling device(s) listed in Part 2, that the establishment is complying with Section 608 regulations, and that the information given is true and correct.

Signature of Owner/Responsible Officer

Date

Name (Please Print)

Title

Public reporting burden for the collection of information is estimated to vary from 20 minutes to 60 minutes per response with an average of 40 minutes per response including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing the collection of information. Send comments regarding ONLY the burden estimate or any other aspect of the collection of information, including suggestions for reducing the burden to Chief Information Policy Branch, EPA 401 M St., S.W., (PM-223), Washington, DC 20460 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Washington, DC 20503, and to the American Bar Association, Dept. of EPA, DONOT SEND THIS FORM TO THE ABOVE ADDRESSES. ONLY SEND COMMENTS TO THESE ADDRESSES.

ENCLOSURE (5)

12 Jan 96

Instructions

Part 1: Please provide the name, address, and telephone number of the establishment where the refrigerant recovery or recycling device(s) is (are) located. Please complete one form for each location. State the number of vehicles bared at this location that are used to transport technicians and equipment to and from service sites.

Part 2: Check the appropriate boxes for the type of work performed by technicians who are employees of the establishment. The term 'small appliance' refers to any of the following products that are fully manufactured, charged, and hermetically sealed in a factory with live 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.

Part 3: For each recovery or recycling device acquired, please list the name of the manufacturer of the device, and (if applicable) its model number and serial number.

If more than 7 devices have been acquired, please fill out an additional form and attach it to this one. Recovery devices that are self-contained should be listed first and should be identified by checking the box in the last column on the right. Self-contained recovery equipment means refrigerant recovery or recycling equipment that is capable of removing the refrigerant from an appliance without the assistance of components contained in the appliance. On the other hand, system-dependent recovery equipment means refrigerant recovery equipment that requires the assistance of components contained in an appliance to remove the refrigerant from the appliance.

If the establishment has been listed as Type B and/or Type 3 in Part 2, then the first device listed in Part 3 must be a self-contained device and identified as such by checking the box in the last column on the right.

If any of the devices are homemade, they should be identified by writing 'homemade' in the column provided for listing the name of the device manufacturer. Type A or Type B establishments can use homemade devices manufactured before November 15, 1993. Type C or Type D establishments can use homemade devices manufactured anytime. If, however, a Type C or Type D establishment is using homemade equipment manufactured after November 15, 1993, then it must not use these devices for service jobs.

Part 4: This form must be signed by either the owner of the establishment or another responsible officer. The person who signs is certifying that the establishment has acquired the equipment that the establishment is complying with Section 608 regulations, and that the information provided is true and correct.

EPA Regional Offices

Send your form to the EPA office listed under the state or territory in which the establishment is located

Connecticut, Maine, Massachusetts, New Hampshire, Rhode Island, Vermont

C M 608 Enforcement Contact: EPA Region I,
Mail Code APC, JFK Federal Building, One
Congress Street, Boston, MA 02203

New York, New Jersey, Puerto Rico, Virgin Islands

CAA 608 Enforcement Contact: EPA Region II,
Jacob K Javits Federal Building, Room 5000, 26
Federal Plaza, New York, NY 10278

Delaware, District of Columbia, Maryland, Pennsylvania, Virginia, West Virginia

CAA 608 Enforcement Contact: EPA Region III,
Mail Code 3AT2, 841 Chestnut Building,
Philadelphia, PA 19107

Alabama, Florida, Georgia, Kentucky, Mississippi, North Carolina, South Carolina, Tennessee

CAA 608 Enforcement Contact: EPA Region IV,
Mail Code APT-AE, 345 Courtland Street, NE,
Atlanta, GA 30365

Illinois, Indiana, Michigan, Minnesota, Ohio, Wisconsin

CAA 608 Enforcement Contact: EPA Region V,
Mail Code AT18, 77 W. Jackson Blvd, Chicago,
IL 60604

Arkansas, Louisiana, New Mexico, Oklahoma, Texas

CAA 608 Enforcement Contact: EPA Region VI,
Mail Code 6T-EC, First Interstate Tower at
Fountain Place, 1445 Ross Ave., Suite 1200,
Dallas TX 75232

Iowa, Kansas, Missouri, Nebraska

CAA 608 Enforcement Contact: EPA Region VII,
Mail Code ARTX-APBR, 725 Minnesota Ave,
Kansas City, KS 64101

Colorado, Montana, North Dakota, South Dakota, Utah, Wyoming

CAA 608 Enforcement Contact: EPA Region VIII,
Mail Code BAT-AP, 999 18th Street, Suite 500,
Denver CO 80202

American Samoa, Arizona, California, Guam, Hawaii, Nevada

CAA 608 Enforcement Contact: EPA Region IX,
Mail Code A-3, 75 Hawthorne Street, San
Francisco, CA 94105

Alaska, Idaho, Oregon, Washington

CAA 608 Enforcement Contact: EPA Region X,
Mail Code AT 082, 1200 Sixth Ave, Seattle WA
98101

ENCLOSURE (5)

12 Jan 96

NAVY DEPARTMENT ACQUISITION PROCEDURES SUPPLEMENT (NAPS)

TABLE 5210-90

(For use in evaluating new contracts with no suitable substitute for Class I ODS)

CLASS I OZONE DEPLETING SUBSTANCE
NEW CONTRACTS

Program: _____

Procurement Request #: _____

TECHNICAL CERTIFICATION

I have reviewed this procurement and it includes specifications or standards which require the use of Class I ODS. To the best of my knowledge, there are no currently available suitable substitutes for the Class I ODS identified.

CLASS I ODS

APPLICATION

APPROPRIATE TECHNICAL REPRESENTATIVE

CODE

DATE

SENIOR ACQUISITION OFFICIAL APPROVAL

Based on the above technical certification that a suitable substitute for the ODS is not currently available, I authorize use of the ODS identified above for the application(s) identified.

SENIOR ACQUISITION OFFICIAL

TITLE

DATE

ENCLOSURE (6)



DEFENSE LOGISTICS AGENCY
DEFENSE REUTILIZATION AND MARKETING OFFICE CHERRY POINT
PSC 4200
MCAS CHERRY POINT NC 28535 4200



DRMO-EDC (Mr. McMahon/DSN582-2743/jcm)

4 August 1993

SUBJECT: Refrigerant Systems, Turn-in Policy

TO: Distribution List

1. Effective 13 July 1993, regulations governing the use of Freon8 require that the chemical be recovered and contained as opposed to free-venting into the atmosphere. The Federal Register (Vol. 58, No. 92, Rules and Regulations) cite8 circumstances of recovery of the refrigerant and applicable guidelines.
2. Pending completion and publication of Station policy on the subject, the following will be implemented by the DRMO and will be effective IMMEDIATELY.
3. Any materials which contain freon charged systems and also contain oil:
 - a. If the material is useable and marketable and the refrigerant system is intact and nonleaking: the DRMO will receive *the* material as a usable item with the system charged and containing oil.
 - b. If the material is unusable and nonmarketable (DRMO reserves the final decision), the freons and oils must have been removed and the turn-in document annotated as such with the responsible POC name and phone number. If the refrigerant system lines have been cut. they must be crimped or securely plugged to prevent any oil residues leaking.
4. The above procedure operates on the premise the DRMO will be *successful* in selling usable, charged systems. negating the need to require ALL turn-ins to be discharged and drained as a prerequisite to DRMO receipt. It is also *assumed* that in the few instances in which all efforts to sell a charged syrtem fail, an *avenue* for evacuating will be in place which will allow the item to be *scrapped versus* being funded as a waste for removal.

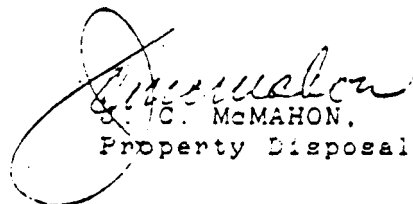
ENCLOSURE (7)

AirStaO 5090.6

12 Jan 96

DRMO-EDC (Mr. McMahon/DSN582-2743/jcm) 04 August 1993
SUBJECT: Refrigerant Systems, Turn-in Policy

5. Failing the above, having no other options, Freon charged systems will be required to be funded (at receipt) for disposition as a Hazardous Waste on existing contracts and the generators billed accordingly.


S. C. McMAHON.
Property Disposal Officer

Distribution:
A-2

ENCLOSURE (7)