

**DEPARTMENT OF DEFENSE  
OZONE DEPLETING SUBSTANCES**

**TURN-IN PROCEDURES**

**March 28, 2011**

## PREFACE

The Defense Logistics Agency (DLA) is assigned the mission of managing the Defense Reserve of Ozone Depleting Substances to ensure that the supplies for mission critical uses are available. DLA provides central management for the receipt, storage and issuance through the Defense Supply Center Richmond (DSCR) which is the activity within DLA that manages these substances. The Defense Depot Richmond, Virginia (DDRV) is the primary storage site for ODS.

It is imperative that your Military Service or Defense Agency turn in to the Reserve the following excess CFCs 11, 12, 114, 500, 502; Halons 1202, 1211, 1301; and HCFC-22 . The Reserve accepts both used and new CFCs, Halons, and HCFC-22 in a relatively pure state (i.e. not as a component of other products). These chemicals may have been purchased under the Federal Supply Classes (FSC) 6830 and 4210, or from a commercial source. CFC/Solvent -113 (Type I & II) and 1,1,1 Trichloroethane (FSCs 6850 and 6810) can also be turned in to the Reserve provided they have never been used and the containers in which the chemicals reside have never been opened or unsealed.

Section 1 provides procedures on how to turn-in excess ODS. Section 2 provides specific guidance pertaining to European and Pacific turn-ins and the collection sites at Germersheim, Germany; Yokosuka, Japan; and Pearl Harbor, Hawaii, and at the DoD ODS Reserve European Holding Facility in The Netherlands. Guidance for other overseas collection sites will be added, as needed. Section 3 provides National Stock Numbers (NSN's) specifically assigned to identify ODS turned in to the Reserve and associated recovery cylinders. Section 4 lists the chemical names of the Reserve ODS. Section 5 lists the DoD Services' and Coast Guard POC's.

For questions concerning requisitions (sales orders) and stock availability, contact the Reserve at DSN 695-6451 or commercial (804) 279-6451. For procedural concerns or questions please call, DSN 695-5203, or 5004. The commercial number is (804) 279-5203 or 5004.

Program Manager  
DoD ODS Reserve

## Section 1

### GENERAL ODS TURN-IN INFORMATION

#### I. Procedures

A. No authorization/pre-notification to the item manager or ODS Program Office is required when turning in ODS to the Reserve.

B. All types of ODS containers will be accepted in the Reserve to include cylinders, fire extinguishers, drums, spheres, and canisters. Government recovery cylinders are available free of charge through DSCR for ODS turned in to the Reserve. The Military Standard Requisition and Issue Procedure (MILSTRIP) is used to requisition ODS. The DLA preferred method for your input of a requisition (sales order) into the supply system is through EMALL, but requisitions can be phoned in to DLA Customer Interaction Center. The Center is available 24 hours a day at DSN 661-7766 or COMM toll free (877) 352-2255 (877-DLA-CALL) to answer questions concerning MILSTRIP and requisition status. The government cylinders used for recovering CFC refrigerants are painted orange, and Halons red. Both have yellow tops and dual port (two valves) to distinguish them from single port valve standard spec gas cylinders. Dual port spec gas (virgin) CFC cylinders are only available for Navy shipboard applications.

C. All ODS containers returned to the Reserve must be tagged/labeled as follows:

1. The shippers DoD Activity Address Code (DoDAAC).
2. The shipping activity's "in-the-clear" address with POC and phone number.
3. The NSN of cylinder(s) containing the recovered ODS (see Section 3).
4. Type of ODS (i.e., Halon 1301 or CFC-12).
5. The quantity of containers on the pallet or within the shipping crate.
6. Packaged and labeled in compliance with DOT regulations.

Note: When multiple containers (cylinders, drums, spheres, canisters, or fire extinguishers) with the same NSN are shipped palletized or in a box/crate, apply only one tag/label to the shipment, not to each item.

D. Fire suppression system cylinders and canisters with electrical charges or initiators must be deactivated prior to shipment to the Reserve. Also, safety caps must be used to cover exposed actuation mechanisms and discharge ports on these special cylinders, otherwise dangerous safety situations could arise during the shipping, receiving, or storage process. Your local area fire protection equipment companies can provide safety services. Special handling procedures for Halon system cylinders are provided later in Section 1. If further guidance is

needed contact the ODS Reserve Program Office at DSN 695- 5203 or Commercial (804) 279-5203 or email [dscr.odsreserve@dla.mil](mailto:dscr.odsreserve@dla.mil).

E. Monetary credit will not be given for turned in ODS or cylinders. However, ownership credit will always be given to the service or agency for the pounds of ODS returned to the Reserve.

F. Empty recovery, and spec gas cylinders must be turned in to the Reserve. Spec gas empty cylinders (see Section 3 for applicable NSNs) should not be used for recovering ODS. Spec gas cylinders will be refurbished and refilled with product for future requisitions. There are exceptions to recovering product into spec gas cylinders but this applies to limited Navy shipboard applications. Approval by the ODS Program Office is required to obtain these unique spec gas cylinders for shipboard applications.

G. CFC/Solvent - 113 and 1,1,1 Trichloroethane when turned in must be in their original containers in which the seal has never been broken.

H. Burnt out or mixed reserve products can be turned in to the Reserve. Clearly identify the chemical by defining its components (i.e. R-12 & R-502).

I. The following items **are not** a part of the Reserve:

1. Empty fire extinguishers (valves removed)
2. Empty commercial containers
3. Aerosol cans with Reserve chemicals
4. Dry chemicals
5. HCFC refrigerants except for R-22
6. R-134a or other HFC refrigerants

Contact your local Property Disposal Office for guidance on discarding these items.

## II. Transportation Guidance

A. When shipping ODS refer to the following regulations if needed:

1. MIL-STD-129L, Military Standard Marking for Shipment and Storage.
2. DLAR 4145.25, Storage and Handling of Compressed Gases and Liquids in Cylinders, and of Cylinders or the following applicable Service regulation:
  - (a) AR-700-68
  - (b) NAVSUPINST 4440.128C
  - (c) MCO 10330.2C
  - (d) AFR 67-12

3. Code of Federal Regulations 49.173 (particularly 173.301), Requirements for the Shipment of Compressed Gas Cylinders.

B. If money is not available within your activity to ship ODS to the Reserve, transportation cost can be paid by the Reserve. This cost assistance is strictly for transporting ODS and not for packing costs. For transportation cost assistance fax the following data to (804) 279-4970/DSN 695-4970 or email to [dscr.odsreserve@dla.mil](mailto:dscr.odsreserve@dla.mil).

1. Type and quantity of ODS
2. Number of cylinders, pallets, total weight of shipment, and cube
3. Estimated shipping cost
4. Requesting facility and point of contact

C. Turn-ins should be forwarded to the following address:

Defense Distribution Depot Richmond Virginia (DDRV)  
SW0400  
Cylinder Operations  
8000 Jefferson Davis Highway  
Richmond, VA 23297-5900

Trucks must enter DDRV from Chippenham Parkway (Route 150) through Gate 13.

D. Schedule all deliveries through the DDRV Dispatch Office at DSN 695-3835/3836 or (804) 279-3835/3836. When transporting personally with a Government vehicle, you should schedule the delivery. When using a common carrier, advise the carrier to schedule the delivery based on its anticipated schedule.

### **III. Special Handling Procedures for Halon 1301 System Cylinders**

A. Halon 1301 is typically incorporated into built-in fire suppression systems applications with the charged Halon cylinder connected to the system piping. Because the Halon is over pressurized with nitrogen to facilitate distribution, these system cylinders are usually disconnected from the system and used as the transportation cylinder to return the product to the Reserve as the systems are taken out of service. However, fire suppression system cylinders and canisters with electrical charges or initiators must be deactivated prior to shipment to the Defense Reserve. Special care should be taken when deactivating and disassembling the systems. The valves on these cylinders are designed in a manner that upon activation, they are changed instantly from a closed position to fully open position and will dispense the Halon in less than 10 seconds. The combination of these sensitive valves and the high pressure within the cylinders require compliance with good safety practices.

B. Instructions for dismantling a Halon Fire Suppression System are provided as follows:

1. The first step is to deactivate the actuation system, which is usually electrical or pneumatic. However, disconnection from the electrical or pneumatic source is not sufficient from a safety standpoint. In the case of pneumatic systems, there is often still a small pin exposed that must be covered with a safety cap before handling. Just the slightest touch on this pin could cause full activation of the valve. In the case of electrically activated valves, simple disconnection of the electrical leads to solenoid valves is acceptable. However, if the electrical connection is to an explosive initiator, it is very important to remove the initiator. This is a very important safety practice, because static electricity can cause the explosive to detonate. These actions should be done before any other dismantling is initiated.

2. The next step is to disconnect any discharge piping from the discharge port. Immediately upon disconnection of the piping, install an anti-recoil device (discharge port safety cap). Safety caps should be used to cover exposed actuation mechanisms and discharge ports on these special cylinders, otherwise dangerous safety situations could arise during the shipping, receiving, or storage process. Application of manufacturer's designed and supplied caps are the proper safety practice. In some cases the threads are not exactly the same as pipe threads and may not hold under the pressure of release. However, if pipe caps, plugs or plates are substituted for manufacturer's caps, at least four opposing holes must be drilled in the anti-recoil cap, plug or plate to disperse any release of the Halon if the valve inadvertently activates. Anti-recoil device safety caps/plugs/plates must always be in place before handling the cylinders.

3. Adherence with the above safety practices is paramount before removing any cylinders from the mounting position. Once the safety devices are in place, cylinders can be moved with relative safety. However, these are high-pressure compressed gas cylinders and require all the safe handling practices of any other gas cylinder. Also, protective safety wear is required for personnel deactivating cylinders.

## Section 2

### SITE SPECIFIC PROCEDURES

#### **A. Procedures for European Collection Site at Defense Distribution Depot Europe (DDDE), Germersheim, Germany**

I. The primary turn-in site for the DoD ODS Reserve is located at DDRV in Richmond, VA. However, collection sites have been established in Germersheim, Germany for European bases (See Section 2.B. for turn-ins from the United Kingdom), Yokosuka, Japan for Asian bases and Pearl Harbor, Hawaii for Pacific region activities. These sites are not mini Reserves, only ODS Reserve collection sites. The following procedures apply to the European collection site at DDDE.

II. This collection site accepts excess and recovered Halons and Refrigerants, and excess solvents in unopened original issue containers, of the types identified in Section 4. As other items become eligible at later dates, you will be notified when those products will be accepted.

III. Turn-in procedures:

A. All ODS containers being shipped to DDDE-Germersheim will be coordinated in advance through the Transportation Office by telephoning 378-5445/3893 or civilian 49-7274-96-5445/96-3893. ODS will be received Monday through Friday. If units cannot turn in on these days, special accommodations will be made for turn-ins.

B. All types of ODS containers will be accepted in the Reserve to include cylinders, fire extinguishers, drums, spheres, and canisters. Government recovery cylinders are available free of charge through DSCR for ODS turned in. They can be requisitioned by following normal MILSTRIP procedures. The government cylinders used for recovering CFC refrigerants are painted orange, and Halons red. Both have yellow tops and dual port (two valves) to distinguish them from single port valve standard spec gas (virgin) cylinders.

C. All ODS containers being turned in to Germersheim must have the following information attached:

1. The shippers DoD Activity Address Code (DoDAAC).
2. The shipping activity with POC and phone number.
3. The NSN of cylinder(s) containing the recovered ODS (see Section 3).
4. Type of ODS (i.e., Halon 1301 or CFC-12).
5. The quantity of containers on the pallet or within the shipping crate.

Note: When multiple containers (cylinders, drums, spheres, canisters, or fire extinguishers) with the same NSN are shipped palletized or in a box/crate, apply only one tag/label to the shipment, not to each item. Pallets must contain items of the same type, i.e., cylinders, drums, canisters, etc.).

D. Fire suppression system cylinders and canisters with electrical charges or initiators must be deactivated prior to shipment to the Reserve. Also, safety caps must be used to cover exposed actuation mechanisms and discharge ports on these special cylinders, otherwise dangerous safety situations could arise during the shipping, receiving, or storage process. Local fire protection experts can provide safety services. Special handling procedures for Halon system cylinders are provided in Section 1. If further guidance is needed contact the ODS Reserve Program Office in Richmond, VA at DSN 695-5203 or Commercial (804) 279-5203 or email [dscr.odsreserve@dla.mil](mailto:dscr.odsreserve@dla.mil).

E. Monetary credit will not be given for turned in ODS or cylinders. However, ownership credit will always be given to the service or agency for the pounds of ODS returned to the Reserve. ODS can be requisitioned from the Reserve by service-authorized activities.

F. The following procedures will be followed:

1. Units with leaking containers must transfer the ODS into proper storage containers before shipment to DDDE-Germersheim. If guidance is needed related to leaking cylinders, please call one of the collection sites POCs as provided in paragraph H of this section.

2. Cylinders will be banded to wooden pallets using metal/steel-banding material or secured in a wooden crate.

3. Halon fire extinguishers/system cylinders will have safety pins installed where applicable and secured to prevent accidental release. Safety caps will be installed on cylinders.

4. DD Form 1348-1/DD 1149, or local equivalent, will be the document used to turn-in ODS cylinders.

5. The cargo vehicle (truck/trailer) will have means for forklift off-loading; e.g., removable side rails. Cylinders will not be off-loaded by hand.

G. Transportation Guidance

1. When transporting compressed gas cylinders with ODS, the following guidelines apply to military and in some cases contracted carriers:

(a) Military carriers must be in compliance with USAREUR Regulation 55 and USAFE Regulation 75 and comply with the European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR) and the equivalent in Germany (GGVS).



(b) Any shipment performed by U.S. military and military vehicles will require driver training and certification, inspection requirements of vehicles, and other requirements as mandated by regulation.

(c) Shipments coming from outside of Germany must be in compliance with exporting and importing country requirements.

(d) Shipments performed over water must be in compliance with the International Maritime Dangerous Goods Code (IMDG).

2. For units in Germany without appropriate transportation capability, transportation services for ODS to the collection point in Germersheim will be made through DRMO disposal contracts. Units that want to utilize this service are required to provide a separate DD Form 1348-1 to fund transportation, and shall contact the servicing DRMO for instructions. DRMS will monitor shipments for regulatory compliance.

3. Turn-ins originating in Europe, except for the United Kingdom, should be forwarded to the following consolidation point:

SWE300  
Defense Distribution Depot Europe  
ATTN: DDDE Hazmat Team, Bldg. 7889  
US Depot Germersheim GEB 7525  
76726 Germersheim DE  
Germany

H. Points of contact at Germersheim are:

	<u>DSN</u>	<u>Commercial</u>
Hazmat Team	378	49-7274-96-5445/5161
Martin Mendel, Receiving Chief	378	49-7274-96-5040
Leonard Scroggins	378	49-7274-96-5161

After duty hours, contact gate guards at DSN378-3678, Commercial 49-7274-58678. Security guards have the home telephone numbers of the designated personnel.

5. Shipments originating from the United Kingdom are covered in Section 2.B.

## Section 2

### **B. Procedures for United Kingdom Shipments to European Holding Facility in Zevenaar, Netherlands**

I. The DoD ODS Reserve established a long-term holding facility in Netherlands in April 2004 to hold stocks of Halons for potential emergency use by DoD activities. This facility collects, reclaims and store Halons and collects and destroys refrigerants and solvents. Due to its proximity to the Netherlands, ODS turn-ins from the United Kingdom (UK) will be shipped directly to the European ODS Holding facility in The Netherlands rather than to the collection site at Germersheim.

II. All ODS containers being shipped to the DoD ODS Reserve European Holding Facility will be coordinated in advance. The POC for coordinating shipments is: Erick Leferink, Director RCDH Huguen Holding BV, Tel 31-316-247494.

III. All types of ODS containers will be accepted at Huguen, to include cylinders, fire extinguishers, drums, spheres, and canisters. Government recovery cylinders are available free of charge through DSCR for ODS turned in. They can be requisitioned by following normal MILSTRIP procedures. The government cylinders used for recovering CFC refrigerants are painted orange, and Halons red. Both have yellow tops and dual port (two valves) to distinguish them from single port valve standard spec gas (virgin) cylinders.

IV. Turn-in procedures:

A. All ODS containers being turned into the DoD ODS Reserve European Holding Facility must have the following information attached:

1. The shippers DoD Activity Address Code (DoDAAC).
2. The shipping activity with POC and phone number.
3. The NSN of cylinder(s) containing the recovered ODS (see Section 3).
4. Type of ODS (i.e., Halon 1301 or CFC-12).
5. The quantity of containers on the pallet or within the shipping crate.

Note: When multiple containers (cylinders, drums, spheres, canisters, or fire extinguishers) with the same NSN are shipped palletized or in a box/crate, apply only one tag/label to the shipment, not to each item. Pallets must contain items of the same type, i.e., cylinders, drums, canisters, etc.).

B. Fire suppression system cylinders and canisters with electrical charges or initiators must be deactivated prior to shipment to the Reserve. Also, safety caps must be used to cover exposed actuation mechanisms and discharge ports on these special cylinders, otherwise dangerous safety situations could arise during the shipping, receiving, or storage process. Local fire protection experts can provide safety services. Special handling procedures for Halon

system cylinders are provided in Section 1. If further guidance is needed contact the ODS Reserve Program Office in Richmond, VA at DSN 695-5203 or Commercial (804) 279-5203 or email [dscr.odsreserve@dla.mil](mailto:dscr.odsreserve@dla.mil).

C. Monetary credit will not be given for turned in ODS or cylinders. However, ownership credit will always be given to the service or agency for the pounds of ODS returned to the Reserve. ODS can be requisitioned from the Reserve by service-authorized activities.

D. The following procedures will be followed:

1. Units with leaking containers must transfer the ODS into proper storage containers before shipment to the Netherlands facility. If guidance is needed related to leaking cylinders, please call one of the collection sites POCs as provided in paragraph H of this section.

2. Cylinders will be banded to wooden pallets using metal/steel-banding material or secured in a wooden crate.

3. Halon fire extinguishers/system cylinders will have safety pins installed where applicable and secured to prevent accidental release. Safety caps will be installed on cylinders.

4. DD Form 1348-1 or DD 1149, or the local equivalent, will be the document used to turn-in ODS cylinders.

5. The cargo vehicle (truck/trailer) will have means for forklift off-loading (removable side rails etc.). Cylinders will not be off-loaded by hand.

E. Transportation Guidance

1. When transporting compressed gas cylinders with ODS, the following guidelines apply to military and in some cases contracted carriers:

(a) Military carriers must be in compliance with USAREUR regulation 55 and USAFE regulation 75 and comply with the European Agreement Concerning the International Carriage of Dangerous Goods by Road (ADR) and the equivalent in Germany (GGVS).

(b) Any shipment performed by U.S. military and military vehicles will require driver training and certification, inspection requirements of vehicles, and other requirements as mandated by regulation.

(c) Shipments performed over water must be in compliance with the International Maritime Dangerous Goods Code (IMDG).

2. The shipping address for the Netherlands Facility is:

RCDH Hugon  
Hengelder 17  
6902 PA Zevenaar  
The Netherlands

For more Information on Hugon, go to this web site:

<http://www.hugon.com/>

## Section 2

### C. Procedures for Pacific Collection Site at Defense Distribution Depot Pearl Harbor, Hawaii (DDPH)

- I. The primary turn-in site for the DoD ODS Reserve is located at DDRV in Richmond, VA. However, collection sites have been established in Germersheim, Germany for European bases, Yokosuka, Japan for Asian bases and Pearl Harbor, Hawaii for Pacific region activities. These sites are not mini Reserves, only ODS collection sites. The following procedures apply to the Pacific collection site at the DDPH.
  
- II. This site accepts excess and recovered Halons and Refrigerants, and excess solvents in unopened original issue containers, of the types identified in Section 4. As other items become eligible at later dates, you will be notified when those products will be accepted.
  
- III. Turn-in procedures:
  - A. Deliveries will be accepted Monday through Friday, between 0800 and 1400 (except holidays). Advance notification is not required on quantities of four (4) pallets or less. For quantities greater than 4 pallets, a delivery schedule should be coordinated in advance with DDPH, telephone (808) 474-3770. Any other special accommodations should be coordinated at the same phone number.
  
  - B. All types of ODS containers will be accepted in the Reserve to include cylinders, fire extinguishers, drums, spheres and canisters. The exception is aircraft specific Halon canisters, which should be returned through the airframe maintenance channels. Government recovery cylinders are available free of charge through DSCR for ODS turn-ins. They can be requisitioned by following normal MILSTRIP procedures. The government cylinders used for recovering refrigerants are painted orange, and Halons red. Both have yellow tops and dual port (two valves) to distinguish them from single port valve standard spec gas cylinders.
  
  - C. All ODS being turned-in to DDPH must have the following information attached to each cylinder or to each palletized load:
    1. Shippers DoD Activity Address Code (DoDAAC).
    2. Shipping activity with POC and phone number.
    3. NSN of ODS container(s) (see Section 3).
    4. Type of ODS (i.e., Halon 1301, CFC-12, etc.).
    5. The quantity of containers on the pallet or within the shipping crate.

Note: When multiple containers (cylinders, drums, fire extinguishers, etc.) with the same NSN are shipped palletized or in a box/crate, apply only one tag/label to the shipment, not each item.

Palletized loads must contain items of the same type and size, i.e., cylinders, drums canister, etc. Boxed/crated loads may contain different size containers, but should contain the same type of product, and must note on the exterior that multiple NSNs are within.

D. Fire suppression system cylinders and canisters with electrical charges or initiators must be deactivated prior to shipment to the Reserve. Also, safety caps must be used to cover exposed actuation mechanisms and discharge ports on these special cylinders, otherwise dangerous safety situations could arise during shipping, receiving, or storage processes. Local fire protection experts can provide safety services. Special handling procedures for Halon system cylinders are provided in Section 1. If further guidance is needed, contact one of the collection site POCs provided in paragraph H of this Section, or the ODS Reserve Program Office in Richmond, VA, phone DSN 695-5203 or commercial (804) 279-5303 or email [dscr.odsreserve@dla.mil](mailto:dscr.odsreserve@dla.mil).

E. Monetary credit will not be given to individual activities for turned-in ODS or cylinders. However, ownership credit by Service or Agency will always be maintained for the pounds of ODS returned to the Reserve. ODS can be requisitioned from the Reserve only by Service authorized activities.

F. The following procedures will be followed:

1. Units with leaking containers must transfer the ODS into proper storage containers before shipment to DDPH. If guidance is needed related to leaking cylinders, please call one of the collection site POCs provided in paragraph H of this Section.

2. Cylinders will be banded together in an upright position, utilizing a wooden collar, on wooden pallets using metal/steel-banding material or secured in a wooden crate.

3. Halon fire extinguishers/system cylinders will have safety pins installed where applicable and secured to prevent accidental release. Safety caps will be installed on cylinders.

4. DD Form 1348-1, or the local equivalent, will be the document used to turn-in ODS containers, with the address shown in paragraph G.4.

5. Direct deliveries from installations must be on cargo vehicles (truck/trailer) with means for ground level forklift off-loading (removable side rails, etc.). Off-island shipments can be shipped via routine commercial or military means. Containers will not be off-loaded by hand.

G. Transportation Guidance:

1. When transporting compressed gas cylinders with ODS, the following guidelines apply to military and in some cases contracted carriers:

(a) Shipments coming from outside of Hawaii must be in compliance with exporting and importing country requirements.

(b) Shipments performed over water must be in compliance with the International Maritime Dangerous Goods Code (IMDG).

2. Turn-ins originating in the Pacific region should be forwarded to the following consolidation point address:

Defense Distribution Depot Pearl Harbor (DDPH)  
Cylinder Operations (Bldg. 1762)  
840 Vincennes Avenue  
Pearl Harbor, Hawaii 96860-4544

H. Points of contact at DDPH are:

DDPH – LCDR Bryan Boudreaux, (808) 473-4072

## Section 2

### D. Procedures for Pacific Collection Site at Defense Distribution Depot Yokosuka Japan (DDYJ)

I. The primary turn-in site for the DoD ODS Reserve is located at DDRV in Richmond, VA. However, collection sites have been established in Germersheim, Germany for European bases, Yokosuka, Japan for Asian bases and Pearl Harbor, Hawaii for Pacific region activities. These sites are not mini Reserves, only ODS collection sites. The following procedures apply to the Asian collection site at the DDYJ.

II. This site accepts excess and recovered Halons and Refrigerants, and excess solvents in unopened original issue containers, of the types identified in Section 4. As other items become eligible at later dates, you will be notified when those products will be accepted.

III. Turn-in procedures:

A. Deliveries will be accepted Monday through Friday, between 0800 and 1400 (except holidays). Coordinate delivery in advance with DDYJ, Mr. Jake Sibayan, Telephone Commercial: 81-46816-8339 or DSN 243-8339, for receiving phone number is 243-8340. Any other special accommodations should be coordinated at the same phone number.

B. All types of ODS containers will be accepted in the Reserve to include cylinders, fire extinguishers, drums, spheres and canisters. The exception is aircraft specific Halon canisters, which should be returned through the airframe maintenance channels. Government recovery cylinders are available free of charge through DSCR for ODS turn-ins. They can be requisitioned by following normal MILSTRIP procedures. The government cylinders used for recovering refrigerants are painted orange, and Halons red. Both have yellow tops and dual port (two valves) to distinguish them from single port valve standard spec gas cylinders.

C. All ODS being turned-in to DDYJ must have the following information attached to each cylinder or to each palletized load:

1. Shippers DoD Activity Address Code (DoDAAC).
2. Shipping activity with POC and phone number.
3. NSN of ODS container(s) (see Section 3).
4. Type of ODS (i.e., Halon 1301, CFC-12, etc.).
5. The quantity of containers on the pallet or within the shipping crate.

Note: When multiple containers (cylinders, drums, fire extinguishers, etc.) with the same NSN are shipped palletized or in a box/crate, apply only one tag/label to the shipment, not each item. Palletized loads must contain items of the same type and size, i.e., cylinders, drums canister, etc.



Boxed/crated loads may contain different size containers, but should contain the same type of product, and must note on the exterior that multiple NSNs are within.

D. Fire suppression system cylinders and canisters with electrical charges or initiators must be deactivated prior to shipment to the Reserve. Also, safety caps must be used to cover exposed actuation mechanisms and discharge ports on these special cylinders, otherwise dangerous safety situations could arise during shipping, receiving, or storage processes. Local fire protection experts can provide safety services. Special handling procedures for Halon system cylinders are provided in Section 1. If further guidance is needed, contact one of the collection site POCs provided in paragraph H of this Section, or the ODS Reserve Program Office in Richmond, VA, phone DSN 695-5203 or commercial (804) 279-5203 or email [dscr.odsreserve@dla.mil](mailto:dscr.odsreserve@dla.mil).

E. Monetary credit will not be given to individual activities for turned-in ODS or cylinders. However, ownership credit by Service or Agency will always be maintained for the pounds of ODS returned to the Reserve. ODS can be requisitioned from the Reserve only by Service authorized activities.

F. The following procedures will be followed:

1. Units with leaking containers must transfer the ODS into proper storage containers before shipment to DDYJ. If guidance is needed related to leaking cylinders, please call one of the collection site POCs provided in paragraph H of this Section.
2. Cylinders will be banded together in an upright position, utilizing a wooden collar, on wooden pallets using metal/steel-banding material or secured in a wooden crate.
3. Halon fire extinguishers/system cylinders will have safety pins installed where applicable and secured to prevent accidental release. Safety caps will be installed on cylinders.
4. DD Form 1348-1, or local equivalent, will be the document used to turn-in ODS containers, with the address shown in paragraph G.4.
5. Direct deliveries from installations must be on cargo vehicles (truck/trailer), seavan containers or ship. Off-island shipments can be shipped via routine commercial or military means. Containers will not be off-loaded by hand.



## Section 3 PRODUCT/COMMODITY NSN TABLES

### I.

#### NSNs FOR EMPTY RECOVERY CYLINDERS

COMMODITY	SIZE (LBs)	EMPTY RECOVERY CYLINDER NSNs
<u>HALONS</u>		
Halon 1202	160	8120-01-356-1781
Halon 1211	200	8120-01-356-1248
Halon 1211	1500	8120-01-356-1249
Halon 1301	117	*8120-01-371-0533
Halon 1301	122	8120-01-356-5963
Halon 1301	1000	8120-01-356-5962
<u>REFRIGERANTS</u>		
R- 11	59	8120-01-356-5960
R- 11	170	8120-01-356-9756
R- 11	1400	8120-01-355-9763
R- 12	45	8120-01-355-4017
R- 12	145	8120-01-355-4018
R- 12	1190	8120-01-355-4019
R- 114	57	8120-01-356-1245
R- 114	165	8120-01-356-1246
R- 114	1360	8120-01-356-1247
R- 500	43	8120-01-357-6774
R- 500	127	8120-01-357-7656
R- 500	1045	8120-01-357-7657
R- 502	44	8120-01-357-6770
R- 502	128	8120-01-357-6771
R- 502	1050	8120-01-357-6769
R-22	44	8120-01-357-9140
R-22	128	8120-01-357-9139
R-22	1050	8120-01-357-9141

\* DENOTES A HIGH PRESSURE CYLINDER for use when recovering Halon 1301 from nitrogen charged fire suppression system cylinders. This cylinder can accommodate pressure up to 2265 psi.

**II.**

**NSNs FOR EMPTY  
SPEC GAS (VIRGIN) PRODUCT CYLINDERS  
( FOR TURN-INS ONLY)**

<b>COMMODITY</b>	<b>SIZE (LBs)</b>	<b>EMPTY CYLINDER NSNs</b>
<u>HALONS</u>		
Halon 1202	160	8120-01-339-6277
Halon 1202	2000	8120-01-371-0532
Halon 1211	200	8120-00-337-2899
Halon 1211	1500	8120-01-396-2165
Halon 1301	137 &150	8120-00-531-8193
Halon 1301	1123 &1240	8120-01-356-5961
<u>REFRIGERANTS</u>		
R- 11	59	8120-01-355-9760
R- 11	170	8120-01-355-9761
R- 11	1400	8120-01-531-2122
R- 12	45	8120-01-337-1816
R- 12	145	8120-01-337-6242
R- 12	1190	8120-01-355-4016
R- 114	57	8120-01-354-9400
R- 114	165 (49"x10")	8120-00-063-3983
R- 114	165 (36"x12")	8120-01-337-6236
R- 114	1360	8120-01-356-1244
R- 500	43	8120-01-357-6773
R- 500	127	8120-01-357-6772
R- 500	1045	8120-01-357-9137
R- 502	44	8120-01-357-7655
R- 502	128	8120-01-337-6239
R- 502	1050	8120-01-357-6907

**III.****NSNs FOR  
ODS TURN-INS**

<b>COMMODITY</b>	<b>CYLINDER CAPACITY SIZE (Lbs)</b>	<b>CYLINDER NSNs</b>
<u>HALONS AND FIRE EXTINGUISHERS</u>		
Halon 1202	160	6830-01-356-1780
Halon 1202	2000	6830-01-447-3632
Halon 1211	1-5	6830-01-376-8013
Halon 1211	6-10	6830-01-376-8014
Halon 1211	11-20	6830-01-376-8015
Halon 1211	21-60	6830-01-376-8016
Halon 1211	61-125	6830-01-376-8017
Halon 1211	126-200	6830-01-356-1209
Halon 1211	201-340	6830-01-376-8018
Halon 1211	341-1500	6830-01-356-1211
Halon 1301	1-5	6830-01-376-8394
Halon 1301	6-10	6830-01-376-8395
Halon 1301	11-20	6830-01-376-8396
Halon 1301	21-70	6830-01-376-8397
Halon 1301	71-100	6830-01-376-8398
Halon 1301	101-117	6830-01-371-0501
Halon 1301	118-125	6830-01-376-8399
Halon 1301	126-150	6830-01-356-9752
Halon 1301	151-200	6830-01-376-8400
Halon 1301	201-260	6830-01-376-8401
Halon 1301	261-350	6830-01-376-8402
Halon 1301	351-530	6830-01-376-8403
Halon 1301	531-600	6830-01-376-8404
Halon 1301	601-1240	6830-01-356-5958
<u>REFRIGERANTS</u>		
R- 11	59	6830-01-355-9754
R- 11	100	6830-01-368-4847
R- 11	170	6830-01-355-9756
R- 11	200	6830-01-367-9554
R- 11	650	6830-01-367-9555
R- 11	1400	6830-01-355-9758

<b>COMMODITY</b>	<b>CYLINDER CAPACITY SIZE (Lbs)</b>	<b>CYLINDER NSNs</b>
R- 12	45	6830-01-355-4013
R- 12	145	6830-01-355-6648
R- 12	1190	6830-01-355-4015
R- 114	57	6830-01-356-1203
R- 114	165	6830-01-356-1205
R- 114	165 (10"x49")	6830-01-377-1807
R- 114	1350	6830-01-356-1207
R- 500	43	6830-01-357-7650
R- 500	127	6830-01-358-5123
R- 500	1045	6830-01-357-7654
R- 502	44	6830-01-357-6726
R- 502	128	6830-01-357-6727
R- 502	1050	6830-01-357-6905
<u>HCFC</u>		
R-22	44	6830-01-357-9131
R-22	128	6830-01-357-9129
R-22	1050	6830-01-357-9133

IV.

**NSNs FOR DRUMS/CANS  
CONTAINING CFC SOLVENTS  
FOR TURN-IN**

<b>COMMODITY</b>	<b>DRUM/CAN CAPACITY</b>	<b>DRUM/CAN NSN</b>
<u>CFC/Solvent 113</u>		
	6 oz	6850-01-424 8532
	1 pint	6850-01-424-8533
	1 quart	6850-01-424-8540
	1 gl / 11 lbs	6850-01-424-8531
	100 lbs	6850-01-424-8535
	200 lbs	6850-01-424-8536
	5 gl / 60 lbs	6850-01-424-8534
	55 gl / 690 lbs	6850-01-424-8537
<u>1,1,1 Trichloroethane</u>		
	6 oz	6810-01-424-8538
	1 pint	6810-01-424-9662
	1 quart	6810-01-424-9665
	1 gl / 12 lbs	6810-01-424-8539
	5 gl / 60 lbs	6810-01-424-9674
	55gl / 640 lbs	6810-01-424-9673

## Section 4

### CLASS I ODS IN THE RESERVE

<u>Commodity</u>	<u>Chemical Name</u>	<u>Symbol</u>
<u>CFCs</u>		
CFC-11	Trichlorofluoromethane	CFCl <sub>3</sub>
CFC-12	Dichlorodifluoromethane	CF <sub>2</sub> Cl <sub>2</sub>
CFC-114	Dichlorotetrafluoroethane	C <sub>2</sub> F <sub>4</sub> Cl <sub>2</sub>
R-500*	(See note below)	CF <sub>2</sub> Cl <sub>2</sub> /C <sub>2</sub> F <sub>2</sub>
R-502**	( See note below)	CF <sub>2</sub> Cl/C <sub>2</sub> F <sub>5</sub> Cl
<u>Halons</u>		
Halon 1202	Dibromodifluoromethane	CF <sub>2</sub> Br <sub>2</sub>
Halon 1211	Bromochlorodifluoromethane	CF <sub>2</sub> ClBr
Halon 1301	Bromotrifluoromethane	CF <sub>3</sub> Br
<u>Solvents</u>		
Methyl Chloroform	1,1,1 Trichloroethane	CH <sub>3</sub> CCl <sub>3</sub>
CFC-113	Trichlorotrifluoroethane	C <sub>2</sub> F <sub>3</sub> Cl <sub>3</sub>

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\* Azeotropic mixture of CFC-12 and HFC-152a (1,1 Difluoroethane)

\*\*Azeotropic mixture of CFC-115 and HCFC-22



## Section 5

### SERVICE/AGENCY POINTS OF CONTACT

<u>SERVICE</u>	<u>NAME</u>	<u>OFFICE</u>	<u>PHONE NUMBERS</u>			<u>E-MAIL ADDRESS</u> <u>EXTENSION</u>
			<u>COMMERCIAL</u>	<u>DSN</u> <u>PREFIX</u>	<u>FAX</u>	
<b>AIR FORCE</b>	KENNETH DORMER	HQ-USAF	703-254-2468	425	7399	<a href="mailto:kenneth.dormer.ctr@pentagon.af.mil">kenneth.dormer.ctr@pentagon.af.mil</a>
	SHERMAN FORBES	HQ-USAF	703-588-7839	425	0066	<a href="mailto:sherman.forbes@pentagon.af.mil">sherman.forbes@pentagon.af.mil</a>
<b>ARMY</b>	DAVID KOEHLER	HQ-AMC	703-304-1680			<a href="mailto:david.a.koehler@us.army.mil">david.a.koehler@us.army.mil</a>
	JIM VINCENT	HQ-AMC	636-477-7515		636-447-3875	<a href="mailto:jim.vincent1@us.army.mil">jim.vincent1@us.army.mil</a>
<b>MARINES</b>	JIM LETTINHAND	HQ-USMC	703-695-8934, X 2433	225	8905	<a href="mailto:edmond.lettinhand@usmc.mil">edmond.lettinhand@usmc.mil</a>
<b>NAVY</b>	PETE MULLENHARD	NAVSEA	703-676-4810		703-416-1178	<a href="mailto:peter.m.mullenhard@saic.com">peter.m.mullenhard@saic.com</a>
	KEVIN NEAVES	NAVSEA	202-781-1534	326		<a href="mailto:Warren.neaves@navy.mil">Warren.neaves@navy.mil</a>
	FRANK STOUDT	NAVSUP	717-605-5520	430	3480	<a href="mailto:frank.stoudt@navy.mil">frank.stoudt@navy.mil</a>
	MARY HAMMERER	NAVAIR	301-757-6177	757	301-342-0958	<a href="mailto:mary.hammerer@navy.mil">mary.hammerer@navy.mil</a>
	JAMES FERNAN	MSC	202-685-5764	325	5224	<a href="mailto:james.b.fernan@navy.mil">james.b.fernan@navy.mil</a>
<b>COAST GUARD</b>	JOHN CEPHAS	HQ-USCG	202-475-5668		4516	<a href="mailto:john.w.cephas@uscg.mil">john.w.cephas@uscg.mil</a>
	HENRY HERZBERG	HQ-USCG	202-267-6462		4516	<a href="mailto:henry.j.herzberg@uscg.mil">henry.j.herzberg@uscg.mil</a>
<b>DLA</b>	BOBBY CARWILE	DSCR-VO	804-279-5203	695	804-279-4970	<a href="mailto:dscr.odsreserve@dla.mil">dscr.odsreserve@dla.mil</a>
	ALEX STUART	DSCR-VO	804-279-5004	695	804-279-4970	<a href="mailto:dscr.odsreserve@dla.mil">dscr.odsreserve@dla.mil</a>
	JEFF MORSCH	DSCR-VO	804-279-4525	695	804-279-4970	<a href="mailto:dscr.odsreserve@dla.mil">dscr.odsreserve@dla.mil</a>
	JOHN MONROE	DSCR-VO	804-279-6451	695	804-279-4970	<a href="mailto:dscr.odsreserve@dla.mil">dscr.odsreserve@dla.mil</a>