DEPARTMENT OF DEFENSE
OZONE DEPLETING SUBSTANCES

CUSTOMER TURN-IN
PROCEDURES

July 2020

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 DLA Aviation which is the activity within DLA that manages these substances. The DLA Distribution Richmond 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, 2402; 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.

All turn ins must be returned to DLA Distribution in Richmond VA unless the activity is in Japan, Hawaii, or San Diego, California (Restricted to Navy Only). Section 1 provides procedures on how to turn-in excess ODS to DLA Distribution in Richmond VA. Section 2B, C & D provide site specific guidance pertaining to turn-ins to the collection sites at: Yokosuka, Japan; Pearl Harbor, Hawaii, and San Diego, California. Guidance for other overseas Turn-Ins is found at the beginning of Section 2**.** 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, 4525 or 5004. The commercial number is (804) 279-5203, 4525 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 DLA Aviation 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 FEDMALL, (http://www.dla.mil/Info/FedMall/), but requisitions can be phoned in to DLA Customer Interaction Center, (DLA CIC). The Center is available 24 hours a day at DSN 661-7766 or COMM toll free (877) 352-2255 (877-DLA-CALL), or by email at dlacontactcenter@dla.mil 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 avnodsreserve@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/Solvents - 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 funding is not available within your activity to ship ODS to the Reserve, transportation cost can be paid by the Reserve. For transportation cost assistance, contact the ODS Reserve via email at avnodsreserve@dla.mil to obtain a Transportation Authorization form.

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

SW0400
DLA DISTRIBUTION RICHMOND
ODSR Cylinder Operations
Open Shed 6
8000 Jefferson Davis Highway
Richmond, VA 23297-5900

***Carriers making deliveries will use only Gate 13, located off State Route 150, Chippenham Parkway, (Exit 67 from I95), 1/4 mile west of U.S. Highway 1 and 301, Strathmore Road/DDRV/DSCR Exit, between 8:00 A.M. and 12:00 Noon, Monday through Friday, excluding holidays. (GPS Users can enter "Strathmore Road and G Road" to locate this entrance.) Carriers should contact Mr. Otis Dowdy for directions or upon arrival at the Depot at Work: 804-279-2644 or Cell: 804-543-4404. Please make sure the material is properly marked, palletized and banded.**

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. It is highly recommended that an expert in Fire Suppression Systems be contracted to perform the decommissioning/removal.

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 enough 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 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 all U.S. Bases within the European Union

I. The primary turn-in site for the DoD ODS Reserve is located at DLA Distribution in Richmond, VA. DLA Distribution Europe in Germersheim, Germany is no longer able to accept, store, cross-dock, transship or otherwise handle CFC refrigerants or halon fire suppressants. As a result, all ODS material must be shipped directly from the Using Unit to the ODS Reserve primary turn-in site utilizing the Defense Transportation System via established Theater Logistics Procedures.

II. Additionally, the former European ODS Holding Site in Zevenaar, The Netherlands has closed and is no longer available to receive, store, cross-dock, transship or otherwise handle CFC refrigerants or halon fire suppressants. As a result, all ODS material from Bases and Stations within the U.K. must be shipped directly from the Using Unit to the ODS Reserve primary turn-in site utilizing the Defense Transportation System via established Theater Logistics Procedures.

III. Turn-in procedures:

A. 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 from DLA 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.

B. All ODS containers being turned in to Richmond 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.).

C. 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 avnodsreserve@dla.mil.

D. 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.

E. The following procedures will be followed:

1. Units with leaking containers must transfer the ODS into proper storage containers before shipment to Richmond. 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.

F. 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 follow 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 to Ports of Embarkation must follow exporting and importing country requirements.

(d) Shipments performed over water must follow the International Maritime Dangerous Goods Code (IMDG).

Section 2

B. Procedures for DLA Distribution Pearl Harbor, Hawaii

I. The primary turn-in site for the DoD ODS Reserve is located at DLA Distribution Richmond, VA. However, collection sites have been established in Yokosuka, Japan for all Japanese bases and Pearl Harbor, Hawaii, and San Diego CA. These sites are not mini Reserves, only ODS collection sites. The following procedures apply to the collection site at Pearl Harbor.

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 DLA Distribution, Pearl Harbor (DDPH), telephone (808) 473-8000 Ext. 5510. 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 DLA 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 Pearl Harbor 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 avnodsreserve@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 Pearl Harbor. 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.2.

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 follow exporting and importing country requirements.

(b) Shipments performed over water must follow the International Maritime Dangerous Goods Code (IMDG).

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

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

H. Contact Telephone Number is:

– (808) 473-8000 Ext. 5510

Section 2

C. Procedures for Collection Site at DLA Distribution Yokosuka, Japan

I. The primary turn-in site for the DoD ODS Reserve is located at DLA Distribution in Richmond, VA. However, collection sites have been established in Yokosuka, Japan for all Japanese bases and Pearl Harbor, Hawaii, and San Diego CA. These sites are not mini Reserves, only ODS collection sites. The following procedures apply to the collection site at Yokosuka, Japan.

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 DLA Distribution, Mr. Romualdo Dulce, Telephone Commercial: 81-468-16-5175 or DSN 243-5175, 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 DLA 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 Yokosuka 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 avnodsreserve@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 Yokosuka. 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.2.

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.

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 Japan must follow exporting and importing country requirements.

(b) Shipments performed over water must follow the International Maritime Dangerous Goods Code (IMDG).

2. Turn-ins should be forwarded to the following consolidation point address:

DLA Distribution Yokosuka, Japan
SW3142
Operations Receiving (J3R)
Bldg. 5010
Yokosuka, Japan

H. Points of contact are:

Luis Ponce	Tel: DSN: 315-243-7033 COM: 81-468-16-8339 Fax: DSN: 315-243-7042- COM: 81-468-16-7042 Japan COM: 046-816-7033 Fax: 7042 E-Mail: luis.ponce@dla.mil
Romualdo Dulce	Tel: DSN 315-243-5175, COM 81-468-16-5175 FAX DSN 315-243-7042, COM 81-468-16-7042 Japan Com 046-816-7033, FAX 7042 Email: romualdo.dulce@dla.mil

Section 2

D. Procedures for Collection Site at DLA Distribution San Diego, California (Restricted to Navy Only)

I. The primary turn-in site for the DoD ODS Reserve is located at DLA Distribution Richmond, VA. However, collection sites have been established in Yokosuka, Japan for all Japanese bases Pearl Harbor, Hawaii, and San Diego CA. These sites are not mini Reserves, only ODS collection sites. The following procedures apply to the collection site at San Diego.

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. Only turn-ins from U.S. Navy facilities in the **immediate vicinity** of Defense Distribution Depot San Diego (e.g. ported Navy ships and facilities at North Island and Point Loma) are accepted.

III. Turn-in procedures:

A. Deliveries will be accepted Monday through Friday, between 0600 and 1300 (except holidays). Advance notification is required on all turn-ins. A delivery schedule should be coordinated in advance with DLA Distribution, San Diego, telephone (619) 556-0053. Proper paperwork is required (completed DD 1149 or DD 1348-1 form). 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 DLA 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 San Diego 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 avnodsreserve@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 San Diego. 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.1.

G. Transportation Guidance:

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

DLA Distribution San Diego
3581 Cummings Road, Bldg. 3322
San Diego, CA 92136-3581

H. Contact telephone number is:

– (619) 556-0053

Section 3

PRODUCT/COMMODITY NSN TABLES

I.

NSNs FOR
EMPTY RECOVERY CYLINDERS

COMMODITY	SIZE (LBs)	EMPTY RECOVERY CYLINDER NSNs
HALONS		
Halon 1202	160	8120-01-356-1781
Halon 1202	1000	8120-01-447-3636
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
Halon 2402	122	8120-01-469-2550
Halon 2402	1000	8120-01-469-2774
REFRIGERANTS		
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)

COMMODITY	SIZE (LBs)	EMPTY CYLINDER NSNs
HALONS		
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
REFRIGERANTS		
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

To determine the correct NSN for Halons, weight each cylinder and subtract tare weight on cylinder to determine estimated product weight. Select NSN for cylinder capacity size (range that includes the product weight.)

To determine the correct NSN for Refrigerants, select the NSN based on cylinder capacity size.

COMMODITY	CYLINDER CAPACITY SIZE (Lbs.)	CYLINDER NSNs
HALONS AND FIRE EXTINGUISHERS		
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
Halon 2402	122	6830-01-469-9138
Halon 2402	1000	6830-01-469-9135

IV.

COMMODITY	CYLINDER CAPACITY SIZE (Lbs.)	CYLINDER NSNs
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
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

V.

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

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

Section 4

ODS IN THE RESERVE

CLASS I

Commodity	Chemical Name	Symbol
CFCs		
CFC-11	Trichlorofluromethane	$CFCl_3$
CFC-12	Dichlorodifluromethane	CF_2Cl_2
CFC-114	Dichlorotetrafluroethane	$C_2F_4Cl_2$
R-500*	(See note below)	CF_2Cl_2/C_2F_2
R-502**	(See note below)	CF_2Cl/C_2F_5Cl

* Azeotropic mixture of CFC-12 and HFC-152a (1,1 Difluroethane)
** Azeotropic mixture of CFC-115 and HCFC-22

Halons		
Halon 1202	Dibromodifluromethane	CF_2Br_2
Halon 1211	Bromochlordifluromethane	CF_2ClBr
Halon 1301	Bromotrifluromethane	CF_3Br
Solvents		
Methyl Chloroform	1,1,1 Trichloroethane	CH_3CCl_3
CFC-113	Trichlorotrifluoroethane	$C_2F_3Cl_3$

CLASS II

HCFC-22	Monochlorodifluoromethane	$CHClF_2$

Section 5

SERVICE/AGENCY POINTS OF CONTACT						
SERVICE	**NAME**	**OFFICE**	**PHONE NUMBERS**			**E-MAIL**
			COMMERCIAL	**DSN**	**FAX**	**ADDRESS**
				PREFIX		**EXTENSION**
AIR FORCE	KENNETH DORMER	HQ-USAF	571-256-0313	260	No FAX	kenneth.j.dormer.ctr@mail.mil
AIR FORCE	SHERMAN FORBES	HQ-USAF	571-256-0309	260	No FAX	sherman.g.forbes.civ@mail.mil
ARMY	DAVID KOEHLER	HQ-AMC	703-304-1680			dkoehler@prospectivetechnology.com
	JIM VINCENT	HQ-AMC	636-477-7515		636-447-3875	jtvincent@prospectivetechnology.com
MARINES	JIM LETTINHAND	HQ-USMC	703-695-8934, X 2433	225	8905	edmond.lettinhand@usmc.mil
NAVY	PETE MULLENHARD	NAVSEA	410-279-6460			pmullenhard@dandp.com
	SHAN ABEYWICKRAMA	NAVSEA	202-781-5439			shanaka.abeywickrama@navy.mil
	LINDA CHRISTENSEN	717-605-9144	717-605-9144	430	3480	linda.christensen@navy.mil
	MARY HAMMERER	NAVAIR	301-866-2493	757	301-342-0958	mary.hammerer@navy.mil
	JAMES FERNAN	MSC	202-685-5764	325	5224	james.b.fernan@navy.mil
COAST GUARD	JOHN CEPHAS	HQ-USCG	202-475-5668		4516	john.w.cephas@uscg.mil
	HENRY HERZBERG	HQ-USCG	202-475-5666		4516	henry.j.herzberg@uscg.mil
DLA	JEFF MORSCH	DLA AVIATION RICHMOND-VO	804-279-4525	695	804-279-3256	avnodsreserve@dla.mil
	PHILIP NOTT	DLA AVIATION RICHMOND-VO	804-279-5004	695	804-279-3256	avnodsreserve@dla.mil
	SCOTT JOHNSON	DLA AVIATION RICHMOND-VO	804-279-6451	695	804-279-3256	avnodsreserve@dla.mil
	BRIAN HOWARD	DLA AVIATION RICHMOND-VO	804-279-5202	695	804-279-3256	avnodsreserve@dla.mil