

## Appendix O

### Ozone Depleting Chemicals

#### O-1. Purpose.

a. Establishes policy, responsibilities and procedures for managing Ozone Depleting Chemicals (ODCs), sometimes referred to as Ozone Depleting Substances (ODSs) that are required in the performance of Fort Eustis and Fort Story daily mission activities.

b. Implements Installation policy to for complying with Department of Army, federal, state and local policies and regulations.

#### O-2. General.

a. ODCs are a group of chemical compounds that include chemicals commonly referred to as “chlorofluorocarbons.” As the name indicates, these compounds are generally composed of carbon, chlorine, and fluorine atoms in various combinations. Some additional ODCs have bromine atoms in the compounds. Generally, ODCs are relatively non-toxic, non-flammable, and stable chemicals.

b. ODC’s chemical and physical properties made them ideal substances for refrigeration, solvents, and fire suppressants. These compounds have been and are still widely used in various operations. At the surface, they cause few problems. However as they migrate to the upper atmosphere where intense sunlight causes them to decompose and react with ozone molecules is where the environmental problems occur. This reaction with the ozone causes ozone molecules to be destroyed, thus allowing the intense ultraviolet radiation to reach the surface and cause significant damage to the quality of life.

c. The rules and regulations pertaining to the management of ODCs divides them into classes, Class 1 ODCs (Tab 1) being the most damaging to the ozone layer and environment. The regulations also establish a number of basic requirements: eliminate the production and use of Class 1 ODCs, training and certification of servicing technicians, monitoring and mandatory upgrade or replacement of equipment; prohibition for DOD from purchasing and contracting Class 1 ODCs, etc.

#### O-3. Key applicable regulations.

a. Clean Air Act (CAA) of 1990 with amendments, specifically Title VI.

b. Public Law (PL 102-483, Section 326) Elimination of Use of Class 1 ODCs

c. 40 CFR 82.156

d. Executive Order 12843 Procurement Requirements and Policies for Federal Agencies for ODSs.

e. Fort Eustis ODC Elimination Plan.

f. Fort Story ODC Elimination Plan.

#### O-4. Policy.

a. It is Army’s and Installations’ policy to minimize the procurement, use, and emissions of ODCs to the greatest extent possible.

b. The short time goal is to eliminate all Class 1 ODCs from Fort Eustis and Fort Story.

- c. The long-term goal is to eliminate ODCs altogether from the Army's use and inventory.

#### **O-5. Responsibilities.**

a. Only the Commanding General can authorized the purchase of Class 1 ODCs and only under special circumstances.

b. All Activities must plan and fund the upgrading, retrofitting, or replacement of equipment containing Class 1 ODCs IAW the basic tenants of the Installation ODC Elimination Plan. Activities can continue to use equipment filled with Class 1 ODCs pass FY03, however, only installation stocks of ODCs will be used and no commercial purchases are allowed. If equipment cannot be supported with installation stocks, then the equipment must be upgraded, retrofitted, or replaced.

c. Each Activity at the Group, Brigade, Directorate level must maintain an inventory of all equipment containing ODCs both government and non-government owned under the control of their organization or personnel. As a minimum, the inventory will include: type and location of equipment; type of ownership, government or non government; type and quantity of ODC; upgrading, retrofitting, or replacement of ODC; records of services and amount of ODCs added to system. A MS Access database will be provided by DPW-ENRD to maintain this inventory. For Activities with ODC equipment serviced by DPW, the Facilities Support Division (FSD) of DPW will maintain the database. These Activities will still maintain an inventory of type and location to ensure all equipment is accounted for. The updated inventory will be submitted to ENRD by 31 January of each Year or more often as required.

d. Activities utilizing products, which have Class 1 ODCs as components, must document the requirement to use the Class 1 ODC and must prove that there is no approve substitute for the Class 1 ODC. As with all Hazardous Materials, all ODCs must be acquired through the HazMart.

e. Activities will ensure that their personnel are instructed not to vent any ODCs to the atmosphere, as this is a significant legal infraction. Only personnel who have completed the EPA's training and certifications program are allowed to service or otherwise maintain ODC containing equipment. Each Activity will maintain a list of personnel who are certified.

f. All ODC containing equipment, generally small appliances, being disposed must have the ODC and contaminated oil removed form the equipment by a certified technician. It's the owner's responsibility to fund this. Documentation of this removal will be provided at the time of turn-in. The certified technician will sign a statement listing the serial number of the equipment and date of removal along with a copy of their license. Metal parts of these appliances will be separated from the non-metal portions prior to turn-in at the Solid Waste Recycling and Pollution (SWRP2) Centers. Abandoned equipment found on Post will be reported to the Military Police and then taken to SWRP2 Center for disposal. DPW-FSD will provide the certified technician for removing the ODCs.

g. DPW-FSD will maintain a supply of ODCs to be used by the installation. All excess ODCs destined for turned-in or disposal will be coordinated with DPW-FSD in order to determine the installation's need for the ODC. All ODCs declared excess to installation requirements will be turned-in to the Defense Logistics Agency (DLA) who maintains the DOD ODC Reserve. The turn-in should be to the Defense Depot Richmond (DDRV) SW04, Cylinder Operations, 8000 Jefferson Davis Highway, Richmond, VA. 23297-5900 (804-279-4256/2393 or DSN 695-4256/2393). It's the Activity's responsibility for funding the disposal, which includes any transportation and associated costs. Typically there is no charge for disposal, but packaging and transportation, etc., usually does incur a monetary charge. Activities will notify DPW-ENRD of all turn-ins.

h. ODCs which cannot be reutilized by the installation or turned-in to DLA must be treated as hazardous or non-hazardous wastes and turned into the HWAFF IAW Appendix H.