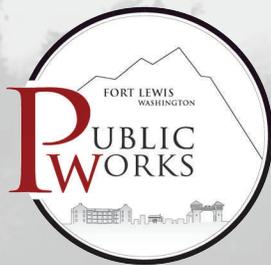


Fort Lewis

# Environmental Guidebook





## **What is "sustainability"?**

The concept of managing our resources to support the present installation mission without compromising our ability to accomplish the mission in the future.

The Installation Sustainability Program has been developed to meet Army mandates, and to satisfy the requirements of Executive Order

13148, Leadership in Environmental Management, 22 Apr 2000, and Executive Order 13423, Strengthening Federal Environmental, Energy, and Transportation Management, signed 24 Jan 2007. In conjunction with the mandate Fort Lewis has developed its own 25 year environmental goals. They are as follows:

### **AIR QUALITY**

- Reduce installation source and non-tactical motor vehicle air emissions 85% by 2025

### **ENERGY**

- Reduce total energy consumption by 30% by 2015
- Sustain all activities on post using renewable energy sources and generate all electricity on post by 2025

### **SUSTAINABLE COMMUNITY**

- Create sustainable neighborhoods for a livable Fort Lewis community that enhances the Puget Sound Region

### **PRODUCTS AND MATERIALS**

- Cycle all material use to achieve ZERO net waste by 2025

### **SUSTAINABLE TRAINING LANDS**

- Maintain the ability of Fort Lewis to meet it's current and future military missions without compromising the integrity of natural and cultural resources, both on the installation and regionally
- Recover all listed and candidate federal species in South Puget Sound Region

### **WATER RESOURCES**

- Treat all wastewaters to Class A reclaim standards by 2025 to conserve water resources and improve Puget Sound water quality

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## **ABSORBENTS (USED)**

**(Pads, towels, booms, dry sweep, clay, spill kits)**

### **AREAS OF CONCERN**

Absorbent material saturated with Petroleum, Oil and Lubricants (POL) or other materials may be flammable and/or toxic. Absorbent materials contaminated with POL can be considered a hazardous waste.

### **DISPOSAL / HANDLING / RECYCLING**

- Personnel approved on a Delegation of Authority (DOA) form may go to Environmental Services (ES) building 1210 to pick up absorbent materials and proper waste containers to be retrieved by ES Specialist.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.
- Personnel living on post may bring their used absorbents to building 1210 Household Hazardous Waste (HHW) office.



## ADHESIVES AND SEALANTS

### AREAS OF CONCERN

Spent adhesives and sealants, and other wastes generated from use of these materials such as gloves, stir sticks, and old material removed during replacement, may be considered a hazardous waste.

### DISPOSAL / HANDLING / RECYCLING

- Hazardous material overages or items no longer required or outdated may be eligible for the “Re-Issue” program at the HMCC. Contact your assigned Environmental Advisor in building 1210 at 966-0474.
- Personnel approved on a DOA form may go to ES building 1210 to pick up proper waste containers to be retrieved by ES Specialist.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.
- Personnel living on post may bring their used adhesives and sealants to building 1210 HHW office.



## AEROSOL CANS

### AREAS OF CONCERN

Aerosols are under pressure and may be flammable, reactive, corrosive, and/or toxic depending on the contents of the cans and the propellants involved. All aerosol cans on the installation are considered hazardous waste.

### DISPOSAL / HANDLING / RECYCLING

- Hazardous material overages or items no longer required or outdated may be eligible for the “Re-Issue” program at the HMCC. For further instructions contact your assigned Environmental Advisor in building 1210 at 966-0474.
- Personnel approved on a DOA form may go to ES building 1210 to pick up proper waste containers to be retrieved by ES Specialist.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.
- Personnel living on post may bring their used aerosol cans for disposal to HHW building 1210.



## AMMUNITION/BRASS

### AREAS OF CONCERN

Trash may be contaminated with ammunition, simulators, brass, and smoke grenade residue that can harm people and the environment. Training exercises generate live and expended ammunition. This ammunition and residue must be returned to the issuing Ammunition Supply Point (ASP), by the users when training is finished for proper accountability and disposal.

### DISPOSAL / HANDLING / RECYCLING

- Ammo/Unexploded Ordnance (UXO) items found should not be moved, but reported to Range Control (if on ranges) and to Explosive Ordnance Disposal (EOD) for removal. Exception is small arms ammunition 50 caliber and below *MAY* be returned to the ASP by persons finding it without paperwork or appointment (within business hours, M-F 7:30-15:30).
- Any ammunition item found larger than 50 caliber must be assumed live and dangerous and not moved without consulting EOD or local ammunition surveillance office (QASAS). This includes smokes, signals, and other miscellaneous pyrotechnic simulators.
- All ammunition related items such as boxes, cans, packaging, small parts, brass, links, pull rings, etc. must be screened by ASP personnel for hazardous/explosive items and demilitarization as required prior to disposal in trash.
- Amnesty turn-ins can be made during business hours at the ASP, or anytime, at the amnesty box in front of the ASP. No questions will be asked during an amnesty turn-in, in order to protect the individual from prosecution or other adverse actions.
- ASP 967-7822
- Range Control OPS 967-6371
- Amnesty boxes 967-6669/966/8763
- EOD 967-1971/967-5507



## **ANTIFREEZE**

### **AREAS OF CONCERN**

Antifreeze typically contains ethylene glycol. Used antifreeze may contain low concentrations of toxic metals. Used antifreeze is considered a recyclable material.

### **DISPOSAL / HANDLING / RECYCLING**

- Hazardous material overages or items no longer required or outdated may be eligible for the “Re-Issue” program at the HMCC. For further instructions contact your assigned Environmental Advisor in building 1210 at 966-0474.
- Personnel approved on a DOA form may go to ES building 1210 to request a proper waste tank or drum.
- When tank or drum is 3/4 full contact ES building 1210 to request a pump out of your antifreeze.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.
- Personnel living on post may bring their used antifreeze for recycling to HHW building 1210.



## **ASBESTOS** **(Disposal of unserviceable brake shoes)**

### **AREAS OF CONCERN**

Some brake shoes/pads or clutch disks may contain asbestos materials. Asbestos containing materials are managed as special waste.



### **DISPOSAL / HANDLING / RECYCLING**

- Contact Environmental Division (ED) Toxic Substances Management (TSM) at 966-1776 to request and obtain a permit which will be valid for disposal of asbestos containing items for up to 10 days.
- Once a permit has been obtained, personnel approved on a DOA form may go to ES building 1210 to obtain approved disposal bags.
- Items must be double bagged and duct tape after contaminated materials and Proper Protective Equipment (PPE) have been placed into the bag. Do not exceed 20 lbs. per bag.
- Disposal of asbestos containing material must be transported to the Installation Recycle Center with two signed copies of your permit, one for your records and one to leave with the attendant.

## **ASBESTOS** **(Building remodeling/maintenance/demolition)**

### **AREAS OF CONCERN**

Asbestos may be found in any building on this installation. There may be increased health risks associated by not following the recommended handling procedures. Asbestos containing materials are managed as special waste.

### **DISPOSAL / HANDLING / RECYCLING**

- Determine if the building area contains asbestos by contacting the ED TSM building 2012 at 966-1775.
- ED TSM office will direct you on how to further proceed.
- Activities such as sanding, grinding, drilling, or sawing of asbestos containing materials are *not allowed*. Self-help removal of asbestos containing tiles is prohibited. Only trained and certified abatement workers may disturb or remove asbestos materials.



## **ASBESTOS/ SAFE & CABINETS**

### **AREAS OF CONCERN**

Some safe and file cabinets may contain asbestos material, therefore, must be handled as a special waste.

### **DISPOSAL / HANDLING / RECYCLING**

- All safes and cabinets must be checked for asbestos prior to disposal by contacting ES building 1210 at 967-4786.



## ATROPINE INJECTORS/ATNAA

### AREAS OF CONCERN

These items present both injection hazards and safety items of concern. Atropine, Mark I Kits, and ATNAA are all controlled medical items and require special storage and disposal.

### DISPOSAL / HANDLING / RECYCLING

- Unit organizations on the installation must dispose of all needles / injectors through MAMC, contact 968-0876 or 968-0873.
- For needles/injectors found on the installation contact ES building 1210 at 967-4786 for proper disposal procedures.



## **BATTERIES**

### **AREAS OF CONCERN**

The cells of a nickel cadmium battery contain hazardous constituents and an acidic electrolyte solution. Alkaline, lithium, vent-able lithium, nickel cadmium, magnesium, nickel metal hydride, mercury and rechargeable batteries have chemicals that are a concern during routine use and disposal. Batteries are considered a universal waste.

### **DISPOSAL / HANDLING / RECYCLING**

- All batteries have special storage requirements. Questions regarding proper storage of batteries or any other hazardous material storage may be directed to your Environmental Advisor in building 1210 at 966-0474.
- Hazardous material overages or items no longer required or outdated may be eligible for the “Re-Issue” program at the HMCC. For more information contact your Environmental Advisor in building 1210 at 966-0474.
- Military vehicle battery disposal should be coordinated with your SSA.
- Personnel approved on a DOA form may go to ES building 1210 to pick up proper waste containers to be retrieved by ES Specialist.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.
- Personnel living on post may bring their used batteries for disposal to HHW building 1210.



## **BILGE WATER**

### **AREAS OF CONCERN**

Bilge water from military vehicles contains oils and other potentially hazardous chemicals.

### **DISPOSAL / HANDLING / RECYCLING**

- Contents of bilges to be emptied must be mostly water. Small amounts of lubricants, JP-8, or diesel are permissible, but if the bilge water contains significant amounts of floating POL product, the POL must be removed from the water and drummed before discharging the bilge to the wash rack. For questions concerning bilge water call the ED Water Program at 967-2837.
- Personnel approved on a DOA form may go to ES building 1210 to pick up proper waste containers to be retrieved by ES Specialist.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.
- Actual discharge must take place directly over drain to minimize spread of any oily residue. Any liquid or solid residue remaining after discharge must be rinsed into the drain, leaving wash rack deck clear of oil or grease.
- For questions about whether your facility has an Oil Water Separator (OWS), call the PW Wastewater Treatment Plant (WWTP) at 967-7453.

## **BLOOD BOURNE PATHOGENS**

### **AREAS OF CONCERN**

Blood Bourne Pathogens (BBPs) are present in human blood. Exposure to BBPs in the event of a crime scene, accident, results of a fight or riot can cause disease in humans. The BBPs present in the blood must be properly disinfected, cleaned up and disposed of properly.

### **DISPOSAL / HANDLING / RECYCLING**

- Avoid un-protected contacts with BBPs
- Contact ES building 1210 at 967-4786 where an ES Specialist will be dispatched to the site to make a determination to the level of necessary response.



## **BRAKE FLUID**

### **AREAS OF CONCERN**

Most brake fluids contain glycol and polyethylene glycol these chemicals are known to be toxic & corrosive. There is a silicon based brake fluid as well as the glycol based brake fluid. Neither the silicon nor glycol brake fluids should be mixed with used oil, nor should they be mixed together. Remember almost all military vehicles use a silicon based brake fluid and most civilian brake fluids are glycol based.

### **DISPOSAL / HANDLING / RECYCLING**

- Hazardous material overages or items no longer required or outdated may be eligible for the “Re-Issue” program at the HMCC. For more information contact your Environmental Advisor in building 1210 at 966-0474.
- Personnel approved on a DOA form may go to ES building 1210 to pick up proper waste containers to be retrieved by ES Specialist.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.
- Personnel living on post may bring their used brake fluid for disposal to HHW building 1210.



## **CBRNE / NBC MASK FILTERS**

### **AREAS OF CONCERN**

Protective mask filters may contain heavy metal chemical compounds.

### **DISPOSAL / HANDLING / RECYCLING**

- Hazardous material overages or items no longer required or outdated may be eligible for the “Re-Issue” program at the HMCC. For further instructions contact your assigned Environmental Advisor in building 1210 at 966-0474.
- Personnel approved on a DOA form may go to ES building 1210 to pick up proper waste containers to be retrieved by ES specialist.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.



## **CARDBOARD**

### **AREAS OF CONCERN**

Cardboard contaminated with cooking oil, wax, food, dripping oil and fuel cannot be recycled and should be disposed of appropriately.

### **DISPOSAL / HANDLING / RECYCLING**

- Clean cardboard should be flattened and disposed of in the cardboard recycling container only.
- Excess amounts of cardboard may be taken to the Installation Recycling Center.
- For recycling containers in your area contact PW Service Order Desk at 967-3131.
- If unit/activity relocates, leave recycle containers assigned to the building in place.



## CLASSIFIED DOCUMENT DISPOSAL

### AREAS OF CONCERN

Classified documents contain sensitive and personal information that must be protected for security reasons.

### DISPOSAL / HANDLING / RECYCLING

- For military personnel—contact your S-2
- Authorized personnel may make an appointment for classified document disposal at the disposal facility. (the disposal facility can be used for documents up to Top Secret/SCI)
- Under no circumstance should civilian or military personnel openly burn classified documents as this is prohibited.
- Call security division at 968-9151 for additional information or to make an appointment.



## **CONCERTINA WIRE**

### **AREAS OF CONCERN**

Use and handling of concertina may pose a safety risk to soldiers and the environment. Concertina wire is considered a solid waste, however it is not easily land filled and should be recycled if possible.

### **DISPOSAL / HANDLING / RECYCLING**

- Segregate all unusable concertina wire, stakes, and banding. They should be separated from each other and cut into manageable sized lengths where it can then be disposed of as scrap metal. For additional information on recycling of scrap metal contact ED Earthworks at 967-3803.
- Reusable wire should be coiled and placed in between two pallets (5' high max.), banding it securely together. Contact DRMO at 966-3178 to schedule an appointment for turn in.



## **DS2 CONTAINERS** **(Demil required property)**

### **AREAS OF CONCERN**

DS2 is an alkaline liquid, highly corrosive to skin therefore require special disposal procedures.

### **DISPOSAL / HANDLING / RECYCLING**

- This material must be managed as a hazardous waste and identified for turn-in to your ES Specialist. Disposal as hazardous waste will meet the demilitarization requirements for this property and will be certified/verified by the DRMO.
- Personnel approved on a DOA form may go to ES building 1210 to pick up proper waste containers to be retrieved by ES Specialist.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.



## **DECON / DETECTOR KITS**

### **AREAS OF CONCERN**

Contaminants of concern in the kits represent possible flammable and toxic hazards therefore require special disposal procedures.

### **DISPOSAL / HANDLING / RECYCLING**

- Hazardous material overages or items no longer required or outdated may be eligible for the “Re-Issue” program at the HMCC. For further instructions contact your assigned Environmental Advisor in building 1210 at 966-0474.
- Personnel approved on a DOA form may go to ES building 1210 to pick up proper waste containers to be retrieved by ES Specialist.
- If you require a DOA form contact ES building 1210 at 967-4786.



## **DIG PERMITS**

### **AREAS OF CONCERN**

Digging can affect underground utilities, environmentally sensitive areas, historically sensitive sites and solid waste management units that are highly regulated. Digging anywhere on the installation is prohibited without prior approval.

### **DISPOSAL / HANDLING / RECYCLING**

- Submit your service order request at building 2044 Door #3 or call 967-5237
- Contact ED Earthworks at 967-3803 for information regarding the hauling of excavated materials i.e., concrete, asphalt, clean (uncontaminated) soil, etc.



## **DRAIN PANS**

### **AREAS OF CONCERN**

All POL products will contaminate storm water and ground water.



### **DISPOSAL / HANDLING / RECYCLING**

- When pans are used for draining fluids from equipment, POL product must be poured into their proper recyclable container.
- Personnel approved on a DOA form may go to ES building 1210 to request a proper storage tank or drum.
- When tank or drum is 3/4 full contact ES building 1210 to request a pump out of your oil.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.
- Personnel living on post may bring their used oil for disposal to HHW building 1210.

## **DRIP PANS**

### **AREAS OF CONCERN**

All POL products will contaminate storm water and ground water.



### **DISPOSAL / HANDLING / RECYCLING**

- Place drip pans under vehicles with known seeps and leaks to preclude discharges into wastewater collection systems. The use of collapsible drip pans is preferred.
- Line drip pans with an oil absorbent pad that repels water. Maximize the use of pads by replacing them when they can no longer effectively absorb contaminants.
- Do not pour drip pan oil water mix into used oil containers, use an absorbent pad for this.
- Water can then be taken to the OWS after it has been skimmed.
- Units should empty line drip pans after each rain event.
- Personnel approved on a DOA form may go to ES building 1210 to pick up proper waste containers to be retrieved by ES specialist.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.
- Personnel living on post may bring their used oil for disposal to HHW building 1210.

## **ENVIRONMENTAL OPERATING PERMIT** **(EOP)**

Each Battalion size unit and separate company is required to have an EOP. The EOP is inspected during compliance and Organizational Inspection Program (OIP) inspections.

The EOP is a unit unique document designed to assist units in setting up their environmental program, identify environmental requirements related to the processes performed by the unit and inform and educate assigned personnel as to their responsibilities for meeting environmental requirements. The EOP provides procedures and best management practices for operating IAW regulatory requirements. The unit is responsible for contacting ED at 966-6470 to coordinate the issue of its EOP.

## **FILTERS** **(Antifreeze, diesel, oil, fuel, JP-8)**

### **AREAS OF CONCERN**

Filters have volatile organic compounds in varying levels. Fuel filters are considered a hazardous waste but they are not to be crushed. Crushed oil filters are a non hazardous waste. However, regardless of waste designation filters may not be thrown in the dumpster.

### **DISPOSAL / HANDLING / RECYCLING**

- Used filters are drained into their perspective fluid container until as empty as possible (usually 12-24 hours) if no crusher is available.
- They are then placed into an approved container that has approximately 1” of absorbent material in the bottom.
- Once full, if stored in the building, container is moved to the waste shed.
- Personnel approved on a DOA form may go to ES building 1210 to pick up proper waste containers to be retrieved by ES Specialist.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.
- Personnel living on post may bring their used filters for disposal to HHW building 1210.



## **FIRE EXTINGUISHERS** **(vehicle, building)**

### **AREAS OF CONCERN**

Fire extinguishers pose a risk to health and safety when discharging. Vehicle/equipment fire extinguishers may contain residue that could be an irritant.

### **DISPOSAL / HANDLING / RECYCLING**

- All fire extinguishers are obtained through the HMCC, they will be verified and approved through the Fire Extinguisher Shop at building 2014.
- Vehicle fire extinguishers are considered to be part of the vehicle itself and is the operator's responsibility to maintain that equipment. However, if your vehicle fire extinguisher needs to be recharged or serviced it will be verified by the Fire Extinguisher Shop, and sent to the HMCC for recharging by a local vendor, and reissued back to you.
- Building fire extinguishers can be brought to the Fire Extinguisher Shop at building 2014.
- For additional information regarding fire extinguishers contact the Fire Extinguisher Shop at 966-2600, hours of operation are Monday thru Friday between 0800 and 1500.
- Do not drill holes in, remove heads from, or discharge the fire extinguishers.



# **FLUORESCENT TUBES, COMPACT FLUORESCENT BULBS, INCANDESCENT BULBS & MERCURY CONTAINING LAMPS**

## **AREAS OF CONCERN**

Small quantities of mercury, antimony, cadmium, barium, and lead are used to manufacture fluorescent tubes, bulbs and mercury vapor lamps. All used lamps including fluorescent tubes, light bulbs, incandescent bulbs and mercury containing lamps are considered a universal waste.

## **DISPOSAL / HANDLING**

- Personnel approved on a DOA form may go to ES building 1210 to pick up proper storage container to store bulbs until full or no longer than 6 months from date of issue and contact ES Specialist for pickup.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.
- Units/activities on the installation may contact the PW Service Order Desk at 967-3131 and request to be put on the R&U list to receive new bulbs for your location.
- Personnel living on post may bring their used bulbs for disposal to HHW building 1210.



**FUEL**  
**(JP-8, diesel, Coleman, MOGAS (military gasoline))**

**AREAS OF CONCERN**

JP-8 and diesel are considered a recyclable material unless they have been contaminated. All fuels are to be segregated. Fuel is a flammable & toxic material and should be handled in accordance with appropriate safety guidelines.

**DISPOSAL / HANDLING / RECYCLING**

- Personnel approved on a DOA form may go to ES building 1210 to request proper storage tank or drum.
- When tank or drum is 3/4 full contact ES to request a pump out of your fuel.
- Empty containers previously containing a flammable liquid must also be disposed of through ES building 1210.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.
- Personnel living on post may bring their used fuel for recycling to HHW building 1210.



## **FURNITURE/APPLIANCES**

### **AREAS OF CONCERN**

These items should be recycled to reduce the quantity of new raw materials into landfills. Some appliances contain Ozone Depleting Substances (ODS) and require special handling procedures see page 44 for further instructions.



### **DISPOSAL / HANDLING / RECYCLING**

- No furniture/appliances from off post shall be brought on post for disposal.
- It is recommended that attempts should be made to donate any furniture/appliances to any charitable organizations or thrift stores assuming that they are in adequate condition for re-use.
- Installation Property Book (IPB) accepts appliances from units for disposal, coordination should be through your unit's SSA
- Appliances must be cleaned out
- Government appliances must be turned in through IPB in order to be issued credit.
- For information regarding disposal of appliances contact IPB at 967-7922 or 967-2913.
- Installation Recycling Center will take appliances (except refrigerators) & furniture for residents of the installation. All appliances are recycled except for microwave ovens which are discarded as a solid waste.



## **GAS CYLINDERS (COMPRESSED)** **(Oxygen, Acetylene, Argon, Nitrogen, etc.)**

### **AREAS OF CONCERN**

Compressed gases present a unique hazard. Depending on the particular gas, there is a potential for simultaneous exposure to both mechanical & chemical hazards. Gases may be flammable or combustible, explosive, corrosive or a combination of hazards.

### **DISPOSAL / HANDLING / RECYCLING**

- Storage requirements should be coordinated with the Fire Prevention Office at 966-7156 and Installation Safety Office at 967-3079.
- Cylinders are exchanged at the HMCC on a one-for one basis with a DA3161.
- Cylinders that are serviceable but are no longer needed or wanted can be taken to the HMCC.
- Unserviceable cylinders must be disposed of through ES building 1210 at 967-4786.



## **GAS CYLINDERS (DISPOSABLE)**

**(Non reusable, single use containers, i.e. propane, vehicle starting fluid, MAPP)**

### **AREAS OF CONCERN**

Compressed gases present a unique hazard. Depending on the particular gas, there is a potential for simultaneous exposure to both mechanical & chemical hazards. Gases may be flammable or combustible, explosive, corrosive or a combination of hazards.

### **DISPOSAL / HANDLING**

- Information regarding disposable gas cylinders should be directed to ES building 1210 at 967-4786.
- Personnel living on post may bring their used cylinders (full or empty) for disposal to HHW building 1210.



## GLASS

### AREAS OF CONCERN

Glass is an expensive burden on our community and a waste of a valuable resource, therefore, should be recycled.



### DISPOSAL / HANDLING / RECYCLING

- Remove lids/caps and rinse containers.
- Excess amounts of glass may be taken to the Installation Recycling Center.
- For recycling containers in your area contact PW Service Order Desk at 967-3131.
- If unit/activity relocates, leave recycle containers assigned to the building in place.

**COMMINGLED RECYCLABLES**



## **GREASE (COOKING OIL)**

### **AREAS OF CONCERN**

Fat, oils and grease can block sanitary sewer systems and is detrimental to aquatic life.

### **DISPOSAL / HANDLING / RECYCLING**

- Dining facilities on the installation will recycle used oil in containers provided by Public Works (PW).
- Containers are issued by PW Service Order Desk at 967-3131.
- For repairs or cleaning of grease interceptors contact PW Service Order Desk at 967-3131.
- Contact ED Water Program for additional information on handling of grease/oil in food service operations.
- Personnel living on post may bring their used cooking oil to the Installation Recycling Center.



## **GREASE (MAINTENANCE)**

### **AREAS OF CONCERN**

Grease, Automotive, Artillery (GAA) contains petroleum hydrocarbons and additives. Grease contaminated with dirt, water or other materials is a non-hazardous industrial waste due to the petroleum constituents.

### **DISPOSAL / HANDLING / RECYCLING**

- Hazardous material overages or items no longer required or outdated may be eligible for the “Re-Issue” program at the HMCC. For further instructions contact your assigned Environmental Advisor in building 1210 at 966-0474.
- Personnel approved on a DOA form may go to ES building 1210 to pick up proper waste containers to be retrieved by ES Specialist.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.
- Personnel living on post may bring their used grease for disposal to HHW building 1210.



## HOUSEHOLD HAZARDOUS WASTE (HHW)

### AREAS OF CONCERN

When improperly disposed of, HHW can create a potential risk to people and the environment. Household chemicals cannot be shipped with household goods when moving. Leftover household products that contain corrosive, toxic, ignitable, or reactive ingredients are considered to be HHW. Products such as paints, cleaners, oils, batteries and pesticides that contain potentially hazardous ingredients require special care when disposing of.

### DISPOSAL / HANDLING / RECYCLING

- Personnel living on post may bring their HHW to building 1210, Monday thru Friday between 1300 and 1600. (do not bring waste into the office, a ES Specialist will assist you to the proper disposal area).
- For additional questions or information regarding HHW disposal contact ES building 1210 at 967-4786.



## **ILLEGAL DUMPING**

### **AREAS OF CONCERN**

Illegal dumping is a major problem on the installation that raises significant concerns. It is unsightly, a potential health hazard and a major economic burden to the installation.

### **DISPOSAL / HANDLING / RECYCLING**

- If you witness someone illegally dumping call 911, 967-3107 or 377-4749.
- Illegal dumping is:
  - Dumping trash & hazmat in down range areas
  - Dumping trash & recyclable items outside of dumpsters on the installation
  - Dumping hazmat inside dumpsters
  - Dumping trash from housing into unit area dumpsters
  - Bringing trash from off-post and putting it in on-post dumpsters
- For additional information regarding illegal dumping contact the “Trash Cop” at 966-0869 or 377-4749.



## **LEAD BASED PAINT** **(Surface Preparation)**

### **AREAS OF CONCERN**

Some amount of lead in paint is common across the installation. There may be increased health risks associated by not following the recommended handling procedures. Lead has been used in paint to enhance durability. Lead based paint may only be removed by anyone using special work practices.

### **DISPOSAL / HANDLING / RECYCLING**

- Questions regarding storage of lead based paint may be directed your Environmental Advisor in building 1210 at 966-0474.
- Determine if the building area contains lead based paint by contacting the ED TSM building 2012 at 966-1775.
- ED TSM office will direct you on how to further proceed.
- Activities such as sanding, grinding, drilling, or sawing of lead based paint containing materials are *not allowed*. Only trained and certified abatement workers may disturb or remove lead based paint materials.



## **MERCURY CONTAINING EQUIPMENT/ITEMS**

### **AREAS OF CONCERN**

Mercury and items containing mercury are a potential health hazard when consumed by humans, impairs neurological development and causes other problems associated with the nervous system. When released to the environment, mercury accumulates in the tissues of plants and animals.

### **DISPOSAL / HANDLING / RECYCLING**

Mercury spills of any quantity must be reported to 911.

- Mercury should be stored in a cool, dry, well-ventilated area in tightly sealed containers protected from exposure to weather and physical damage.
- Personnel approved on a DOA form may go to ES building 1210 to pick up proper waste containers to be retrieved by ES Specialist.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.
- Personnel living on post may bring their used mercury containing equipment for proper disposal to HHW building 1210.



## MOP WATER

### AREAS OF CONCERN

Detergents adversely effect Oil Water Separators (OWS).

### DISPOSAL / HANDLING / RECYCLING

- Routine mop water from building and floor cleaning should be discharged in designated areas such as a mop or utility sink.
- Do not discharge mop water to an OWS.
- Issues regarding maintenance and service of your utility sinks should be directed to Service Order Desk at 967-3131.



## MRE HEATERS

### AREAS OF CONCERN

Meals Ready-to-Eat (MRE), which contain Flameless Ration Heaters (FRHs) consist of a plastic bag containing a piece of fiberboard and powdered magnesium or magnesium alloys along with other materials which is a water reactive chemical. EPA has determined that individual MRE's containing FRH's are not reactive hazardous wastes and may be disposed of as non-hazardous solid waste. This finding applies to all FRHs packed with MREs issued or in stock.

### DISPOSAL / HANDLING / RECYCLING

- While in the training area unused individual heaters will be placed with normal trash.
- If units have cases of MRE's they fall under a critical mass category and must be disposed of as hazardous waste through ES building 1210 at 967-4786.
- Hazardous material overages or items no longer required or outdated may be eligible for the "Re-Issue" program at the HMCC. For further instructions contact your assigned Environmental Advisor in building 1210 at 966-0474.



## **OZONE DEPLETING SUBSTANCES (ODS)**

### **AREAS OF CONCERN**

Ozone Depleting Substances (ODS) that, if released to the environment, destroy the protective ozone layer above the earth. Many common household appliances contain ODS. Household refrigerators and freezers manufactured before 1995 typically contain chlorofluorocarbon (CFC) refrigerant. Most window air-conditioning units and dehumidifiers contain hydro chlorofluorocarbon (HCFC). CFC and HCFC refrigerants are also potent greenhouse gases, meaning that their release contributes to global climate change. If improperly disposed, used oil from refrigerated appliances can result in the release of dissolved ODS refrigerant and groundwater contamination. In addition, short-term exposure to the used oil can cause skin, eye, and respiratory irritation; in the long-term, it can cause cancer and damage to the liver, brain, immune system, and reproductive system.

### **DISPOSAL / HANDLING**

- IPB accepts appliances containing ODS's from units for disposal, coordination should be through your unit.
- All other personal ODS containing appliances should be taken to your local landfill for proper disposal.
- Additional information regarding handling of ODS appliances can be directed to ES building 1210 at 967-4786.
- Installation Property Book office 967-7922 / 967-2913
- Hidden Valley, Puyallup, WA 253-847-7555
- Tacoma Landfill, Tacoma, WA 253-591-5543
- The Thurston County Waste & Recovery Center (formerly known as the Hawks Prairie Landfill), Lacey, WA 360-786-5494

## OIL (Used)

### AREAS OF CONCERN

Used oil includes all of the following items: motor oil, synthetic oils, transmission fluid & hydraulic fluid. Used petroleum-based and synthetic oils are considered a non hazardous industrial waste which is collected on the installation for recycling.

### DISPOSAL / HANDLING / RECYCLING

- Keep drum/tank closed except when adding or removing contents.
- Ensure that the container is marked “Used Oil”.
- Personnel approved on a DOA form may go to ES building 1210 to request a proper storage tank or drum.
- When tank or drum is 3/4 full contact ES building 1210 at 967-4786 to request a pump out of your oil.
- Empty containers previously containing used oil may also have special disposal requirements, contact ES building 1210 at 967-4786 for proper disposal procedures.
- Personnel living on post may bring their personal used oil to HHW building 1210.



## **OIL WATER SEPARATORS (OWS)**

### **AREAS OF CONCERN**

Oil Water Separators (OWS) serve as a pretreatment before discharge into the sanitary or storm water system.

### **DISPOSAL / HANDLING / RECYCLING**

- Do not dump trash, filters, oil and other engine fluids into OWS.
- Do not use detergents. Any exceptions must be approved by ED Water Program.
- For repairs contact PW Service Order Desk at 967-3131.
- Questions regarding OWS or best management practices should be directed to ED Water Program at 967-2837.



## **POLYCHLORINATED BIPHENYLS** **(PCB) / NON PCBS (Ballast, transformers)**

### **AREAS OF CONCERN**

PCB's are toxic substances with carcinogenic and non-cancerous effects on humans, including effects on the immune system, reproductive system, nervous system, and endocrine system. Environmental contaminants can impact the health and survival of fish and wildlife, as well as make these natural resources unfit for human consumption.

### **DISPOSAL / HANDLING / RECYCLING**

- PCB's with contamination levels of 50 Parts Per Million (ppm) or greater are regulated under the Federal Toxic Substance Control Act (TSCA) and must be disposed of within 10 days. While those with levels between 2 and 49 ppm are regulated by Washington State and considered a hazardous waste.
- For information regarding proper disposal of any PCB's contact ES building 1210 at 967-4786.



## **PAINT & PAINT RELATED MATERIAL** **Oil based paint and stain; latex paint and stain**

### **AREAS OF CONCERN**

Paints and paint related material may contain toxic chemicals that may be flammable. Refer to your Material Safety Data Sheet (MSDS) for specific hazards.



### **DISPOSAL / HANDLING / RECYCLING**

- Empty, DRY cans of latex paint may be placed in the trash.
- Oil based paint and stain residue must be disposed of through ES building 1210.
- Depending on type of paint/stain materials used such as tarps, rollers, brushes, gloves and stir sticks that have dried may be placed in the trash and some have to be disposed of through ES building 1210.
- Paint materials/brushes/rollers must not be cleaned in unit/activity parts washers.
- Hazardous material overages or items no longer required or outdated may be eligible for the “Re-Issue” program at the HMCC. For further instructions contact your assigned Environmental Advisor in building 1210 at 966-0474.
- Personnel approved on a DOA form may go to ES building 1210 to pick up proper waste containers to be retrieved by ES Specialist.
- Do not discharge paint to storm drains or septic systems. Where possible, reuse the wastewater by allowing solids to settle out and pouring off the water into another container. The latex solids can then be dried out and managed as latex paint waste.
- Personnel living on post may bring their personal paint/stains to HHW building 1210.

## PAPER & PAPER PRODUCT RECYCLING

### AREAS OF CONCERN

Paper and paper products contaminated with food or hazardous material residuals cannot be recycled and should be disposed of properly.



### DISPOSAL / HANDLING / RECYCLING

- Place paper in blue recycle container assigned to your building.
- Do not contaminate recycled paper container with trash. (Contractor will not service contaminated containers).
- Excess amounts of paper may be taken to the Installation Recycling Center.
- Cardboard boxes may be broken down and placed in or adjacent to the paper recycle container if a cardboard container is unavailable.
- If unit/activity relocates, leave recycle containers assigned to the building in place.



## PARTS WASHERS

### AREAS OF CONCERN

All personnel are to read and adhere to the MSDS, warning labels, and information posted on parts washing equipment. Goggles and gloves are required PPE, aprons are recommended, and a "spill kit" should be readily available.

### DISPOSAL / HANDLING / RECYCLING

- All solvents must be ordered through the HMCC at 967-5509, do not use deployment solvents, they may be solvents that are not approved on this installation.
- Contact building 1210 at 967-4786 for servicing of equipment, moving equipment and adding additional product to the equipment.
- Equipment or parts should be pre-cleaned before using parts washing equipment, i.e. removal of excess grease and dirt.
- A label should be on the parts washer indicating keep closed, this label is available from ES building 1210.
- Do not contaminate parts washer solvent with other chemicals.
- Do not block access to parts washer.



## **PESTICIDES,** **(HERBICIDES, RODENTICIDES)**

### **AREAS OF CONCERN**

These items are designed to kill various pests. You should comply with label guidelines and MSDS sheets for proper use and storage. Be cautious when using non American sources for Field Sanitation Team (FST) related items and pesticides because they do not have to comply with manufacturing standards.

### **DISPOSAL / HANDLING / RECYCLING**

- Maintain product marking, labeling and identification on containers.
- Contact your Environmental Advisor for proper material handling and storage instructions.
- Restricted use pesticides require trained and certified applicators and storage issues. Purchase of pesticides using Government Credit Card (GPC) is restricted only to certified applicator use. All pesticide usage must be recorded and submitted to the HMCC.
- Contact PW Service Order Desk at 967-3131 for professional pest management services.
- Hazardous material overages or items no longer required or outdated may be eligible for the “Re-Issue” program at the HMCC. For further instructions contact your assigned Environmental Advisor in building 1210 at 966-0474.
- Personnel approved on a DOA form may go to ES building 1210 to pick up proper waste containers to be retrieved by ES Specialist.
- Personnel living on post may bring their personal pesticides to HHW building 1210.



## PLASTIC

### AREAS OF CONCERN

Plastic contaminated with food or hazardous material residuals cannot be recycled and should be disposed of appropriately.



### DISPOSAL / HANDLING / RECYCLING

- Remove lids/caps and rinse containers
- Items previously containing hazardous materials can not be put in recycle containers.
- Excess recyclable items may be taken to Installation Recycling Center.
- For recycling containers in your area contact PW Service Order Desk at 967-3131 or 967-4713.
- If unit/activity relocates, leave recycle containers assigned to the building in place.



## **RADIOACTIVE MATERIALS**

### **AREAS OF CONCERN**

There are environmental and health related issues concerning radiation exposure.

### **DISPOSAL / HANDLING / RECYCLING**

- The Command Safety Office is responsible for the management of radioactive material and wastes.
- Units and agencies that handle radioactive materials and/or require storage/disposal guidance will contact the Command Safety Office at 967-3079.



## **RAGS**

### **AREAS OF CONCERN**

Cloth rags saturated with POL or other materials may be flammable and/or toxic.

### **DISPOSAL / HANDLING / RECYCLING**

- Personnel approved on a DOA form may go to ES building 1210 to pick up proper waste containers to be retrieved by ES Specialist.
- If you require a DOA form or need additional assistance contact ES building 1210 at 967-4786.
- Personnel living on post may bring their contaminated used rags for disposal to HHW Building 1210.



## REFUSE (GARBAGE)

### AREAS OF CONCERN

In 2007, the installation generated approximately 12,864 tons of trash. Although source reduction, reuse, and recycling divert large portions of waste from disposal, some waste still must be placed in landfills.

### DISPOSAL / HANDLING / RECYCLING

- LeMay, currently hauls all garbage on Fort Lewis.
- Garbage dumpsters are available for use in the containment and training areas and can be requested through PW Service Order Desk at 967-3131 or 967-4713.
- Housing area refuse collection must be coordinated through your Equity housing representative at 966-3024.
- If you need your dumpsters emptied you may contact LeMay at 253-537-8687.
- If unit/activity relocates, leave trash containers assigned to the building in place.

Keep lids closed,  
cost is established  
by the ton, don't pay  
to dump your rain  
water.



## **SCRAP METAL**

### **AREAS OF CONCERN**

Scrap metal contaminated with chemical agent resistant coating (CARC) cannot be turned in as scrap metal and must be turned into DRMO with the proper paperwork.

### **DISPOSAL / HANDLING / RECYCLING**

- If you have a scrap metal bin that needs to be emptied or you would like to acquire a bin contact ED Earthworks at 967-3803.
- If you do not require a container or have excess amounts of scrap metal it may be taken to the Installation Recycling Center.



## SPILLS (Reporting, safety, clean-up)

Failure to properly clean up spills violates regulation and causes concerns to human health and safety. Hazardous substances when spilled, pose a risk to individuals and the environment. Many hazardous materials and substances are used in the daily operation of the installation.



### ***THE FIRST AND LAST RULE IS TO CALL 911***

- MSDS sheets are required to be maintained on all hazardous materials. OSHA Hazardous Communications (HazCom) regulation requires all employees to be familiar with and trained about the potential hazards of chemicals in the work place. HazCom training is coordinated with the Command Safety Office at 967-3079.

**Be Prepared**-know response material location and procedures

**Notify**-tell your supervisor immediately and notify Ft. Lewis Emergency Dispatch (911). If you can not quickly find your supervisor, call 911 immediately. (When in doubt, call 911)

**What To Report**-the location and address of release, the name and phone number of POC, the date and time of release, the type and quantity of the substance, and the cause and source of the release.

**Be Safe**-use personal protective equipment only if trained and familiar with the spilled material.

**Stop The Source**-plug, roll, or right drums. Use emergency shut-off devices.

**Protect Water**-confine the spill with sandbags or booms.

**Clean Up**-pump or sweep into a safe container.

**Dispose**-contain waste water or sweepings. Contact ES building 1210 at 967-4786 for proper disposal instructions.

**Restock And Review**-replace used materials and maintain response equipment. Review the incident for lessons learned. Make the appropriate changes to avoid a reoccurrence. You must fill out a spill report form that is available through ES building 1210 at 967-4786.

- **Remember when dealing with any spill, only do any of the above mentioned if you can do it safely; otherwise leave it for**

## STORAGE UNITS

### AREAS OF CONCERN

Hazardous material & hazardous waste have special handling requirements. Some concerns are the health and welfare of the workers, releases to the environment, and the incompatibility with, other products (e.g. metals, flammables, and oxidizers) creating unsafe working conditions.

### DISPOSAL / HANDLING / RECYCLING

#### CORROSIVE LOCKER

Corrosive products must be placed in an approved and properly marked storage area. The product MSDS will provide data needed to determine if the product is corrosive and the incompatibility with other types of products.



#### FLAMMABLE LOCKER

Used for storing of hazardous material and for storage of flammable and combustible materials. Flammable and combustible products must be placed in a National Fire Protection Agency (NFPA) approved and properly marked storage area. The product MSDS will provide data needed to determine if the product is flammable or combustible and the incompatibility with other types of products. These types of lockers also provide for a limited amount of secondary containment if spills should occur.



For proper placement of corrosive or flammable lockers in your area contact the Fire Prevention Office at 966-7156

## STORAGE UNITS (continued)

### BLUE SHEDS

Used for storage of bulk hazardous materials or as weapons cleaning stations. All hazardous materials must be stored in an approved and properly marked storage area to include NFPA 704.



### POLYPAKS

Polypaks are typically used for storage of "In Use" hazardous materials however, they can be used as a hazardous waste accumulation site if properly labeled.

### WHITE SHEDS

White sheds are used for storage of hazardous waste.

- White Sheds have priority for storage of hazardous waste.
- Sheds *must* have NFPA 704 label properly secured. Shed must also have an alarm, Class C fire extinguisher, spill kit, and a spill contingency site map posted.
- Some non-regulated waste containers should be managed in the accumulation site due to the possible risks associated with the waste.
- Sheds can be used for storage of hazardous materials as long as they are visually/physically separated from the hazardous waste.

Questions regarding any storage units can be directed to your Environmental Advisor at 966-0474 or ES building 1210 at 967-4786.



## SYRINGES/NEEDLES

### AREAS OF CONCERN

These items present both injection hazards and safety items of concern. Syringes and needles are all controlled medical items and require special storage and disposal.

### DISPOSAL / HANDLING / RECYCLING

- Contact ES building 1210 at 967-4786 for disposal of these items found of post.
- Residential needles and syringes should be placed in a puncture-resistant, break-resistant, leak-proof container labeled “BIOHAZARD” in bold letters. Designated containers may be purchased at most pharmacies or you may use a sealed 2 liter bottle. When these containers are no more than 2/3 full they should be tightly taped for disposal.
- Pierce County residents allow properly contained and sealed needles/syringes to be placed among household trash, however each county has different requirements therefore we recommended that you call your local Health Department for specific regulations.
- Pierce County: 253-798-6047
- Thurston: 360-754-4111
- Kitsap: 360-337-5246
- King: 206-205-7837



## **TANK PURGING**

### **AREAS OF CONCERN**

Fuel containers/vehicles contain residue that may be dangerous during maintenance or transportation. Tank and container purging may be required for maintenance, transportation and turn in.

### **DISPOSAL / HANDLING / RECYCLING**

- Determine if purging of containers or vehicles is required.
- If the quantity of fuel is more than 15 gallons, contact ES building 1210 for special pump out requirements at 967-4786.
- Purging will not be done on unit wash racks.



## **TIRES**

### **AREAS OF CONCERN**

Tires are not permitted in landfills. They are a valuable resource that when recycled may be used for many purposes.

### **DISPOSAL / HANDLING / RECYCLING**

- Unit/military tires are considered Class 9 repair parts. Ensure that tires are properly accounted for by maintenance personnel before disposal.
- Take to supporting unit SSA.
- Tires that are not considered Class 9 or found on the installation may be taken to the Installation Recycling Center.



## **TONER/PRINTER CARTRIDGES**

### **AREAS OF CONCERN**

These items are a recyclable product and need to be properly disposed of to reduce the quantity of new raw materials into landfills.

### **DISPOSAL / HANDLING / RECYCLING**

- Place empty toner/printer cartridges in original container if possible or plastic bag.
- Take used or no longer needed cartridges to DOL HMCC at building 9669 or ES building 1210.



## UNMARKED/UNLABELED CONTAINERS

### AREAS OF CONCERN

Unmarked/Unlabeled containers and chemicals can pose a great risk to people and the environment. Chemical identification/determination must be made for proper disposal. Testing of unknowns is very expensive. Every effort should be made to maintain container labels and identification of materials/chemicals to comply with laws and regulations.

### DISPOSAL / HANDLING / RECYCLING

- Make every attempt to identify possible contents.
- Once identified, use a DD Form 2522 label to fill in all applicable information.
- If unable to identify the material/chemical, contact ES building 1210 at 967-4786.



HAZARDOUS CHEMICAL WARNING LABEL					
1. CHEMICAL/COMMON NAME					
2. HAZARD CODE			3. NSN/LSN		
4. PART NUMBER					
5. ITEM NAME					
6. HAZARDS	(1) Acute (Immediate)				(2) Chronic (delay)
	None	Slight	Mod	Severe	
a. Health ☠	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
b. Contact	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
c. Fire ☱	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
d. Reactivity ☱*	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	
SPECIFIC HAZARDS AND PRECAUTIONS (Including Target Organ Effects)					
8. PROTECT (x all that apply) <input type="checkbox"/> EYES <input type="checkbox"/> SKIN <input type="checkbox"/> RESP					
9. CONTACT: a. COMPANY NAME					
b. ADDRESS (Street, PO Box, City, State, ZIP Code, & Country)					
c. EMERGENCY TELEPHONE NUMBER (Include Area Code)					
10. PROCUREMENT YEAR FOR HAZARDOUS CHEMICAL					
DD FORM 2522 DEC 88					

## **VEHICLES** **(abandoned, repairs & washing)**

### **AREAS OF CONCERN**

Abandoned vehicles have become a significant problem, throughout the installation, particularly in the down range areas. This poses problems of safety, unsightliness and an unnecessary expense to the installation. Repairs to vehicles of any kind are not permitted in housing areas, barracks or parking lots.

### **DISPOSAL / HANDLING / RECYCLING**

- To report abandoned vehicles contact 911 or 967-3107.
- Repairing and servicing of your vehicle will only be conducted on the installation at the MWR Auto Crafts Center building 4043.
- For additional information regarding the use of the Auto Crafts Center contact 967-3728.
- Washing of your personal vehicle is only permitted at commercial facilities on the installation.



## WASH RACKS

### AREAS OF CONCERN

Excessive oil and grease washed from vehicles can potentially contaminate the sanitary and storm water system.

### DISPOSAL / HANDLING / RECYCLING

- Vehicles should only be washed at the centralized wash racks or at commercial car wash facilities.
- Mud and materials should be removed before using the wash rack.
- Detergents are not allowed to be used at wash racks. Aircraft wash racks are an exception as long as the detergent is listed in the Qualified Product List from the Technical Manuals.
- No fuel purging on wash racks.
- No fuel transfers or defueling on any wash racks.
- No oil changing on wash racks.
- Questions regarding best management practices at wash racks should be directed to ED Water Program at 967-2837.



## **WATER FIELD EXERCISES**

### **AREAS OF CONCERN**

Any pollutant that effects water quality or the Waste Water Treatment Plant (WWTP) that are used during field exercises may have an impact on the environment. Use, storage and transportation of chemicals can create a hazard to individuals and the environment. These missions may include, Reverse Osmosis Water Purification Unit (ROWPU), Tactical Water Purifications Systems (TWPS), Light Water Purification System (LWPS), chemical decontamination, laundry, bath and mobile kitchens.

### **DISPOSAL / HANDLING / RECYCLING**

- At least ten (10) working days prior to the start of any water field mission/exercise contact ED Water Program at 967-2837 for environmental guidance and restrictions.
- If wanting to discharge wastewater to the sanitary sewer, contact PW Service Order Desk at 967-3131 for a dump permit.
- The dump permit must be approved by PW prior to any discharge.
- A copy of the dump permit must be maintained at the exercise site.



## **WEAPONS CLEANERS / SOLVENT TANKS**

### **AREAS OF CONCERN**

All personnel are to read and adhere to the MSDS's, warning labels, and information posted on weapons cleaning equipment.

### **DISPOSAL / HANDLING / RECYCLING**

- All solvents must be ordered through the HMCC.
- Servicing of equipment as well as adding solvent shall be done by your ES Specialist at building 1210.
- Weapons should be pre-cleaned before using weapons cleaning equipment, i.e. removal of excess dirt.
- Only weapons are to be cleaned in these machines.
- A label should be on the weapons cleaner indicating keep closed, this label is available from ES building 1210.
- Do not contaminate parts washer solvent with other chemicals, i.e. paint, other solvents, gasoline, etc.
- Do not move equipment without contacting ES building 1210 at 967-4786.
- Do not block access to the weapons cleaning tank.
- Solvent used during deployment must not be placed in installation weapons cleaning tanks.



**WOOD**  
**(Clean/Untreated)**

**AREAS OF CONCERN**

Wood is considered a solid waste. However, clean and untreated wood is a valuable resource that when recycled may be reused for many purposes.

**DISPOSAL / HANDLING / RECYCLING**

- Untreated wood (reusable pallets, broken pallets and scrap wood) may be taken to the Installation Recycling Center or contact PW Service Order Desk at 967-3103 for a wood recycle bin.
- Clean wood recycle containers will be hauled off as refuse at units expense if contamination occurs.



**WOOD**  
**(Treated)**

**AREAS OF CONCERN**

Treated wood can be disposed of as a non hazardous solid waste.

**DISPOSAL / HANDLING / RECYCLING**

- Don't put treated, painted, stained wood or chip board and particle board in clean wood recycle containers.
- Clean wood recycle containers will be hauled off as refuse at units expense if contamination occurs.
- Treated wood may be disposed of in refuse dumpsters however, they must be cut into 4-6 foot length.



## **YARD WASTE**

### **AREAS OF CONCERN**

Yard waste contaminated with food, plastic, glass or anything inorganic cannot be recycled and should be disposed of appropriately. Yard waste that is not contaminated however, can be recycled and used to make mulch.

### **DISPOSAL / HANDLING / RECYCLING**

- Take yard waste to the Installation Recycling Center.
- Yard waste consists of leaves, grass clippings, limbs, etc. and is not permitted in dumpsters. (Limbs can not be larger than 4” in diameter)
- You may also contact ED Earthworks at 967-3803 for additional information regarding yard waste disposal.



## CONTACT INFORMATION

Command Safety Office	253-967-3079
DRMO:	
-Hazardous Materials	253-967-5954
-HMCC	253-967-5859
-Scrap Metal	253-967-6196
-Turn In	253-966-3178
DOL:	
-Ammo Supply Point (ASP)	253-967-7822
-Amnesty boxes	253-967-6669
-Installation Property Book (IPB)	253-967-7922
	253-967-2913
-Tank Purging	253-967-5071
EOD	253-967-1971
	253-967-5507
EOP	253-966-6470
Earthworks	253-967-3803
Emergency	911
Environmental Advisor	253-966-0474
Fire Extinguisher Shop	253-966-2600
Fire Prevention Office	253-966-7156
G-2 Special Security Officer	253-968-9151
Household Hazardous Waste	253-967-4786
Hazardous Waste (building 1210)	253-967-4786
Illegal Dumping	253-377-4749
	253-966-0869
Landfills:	
-Pierce County	
Puyallup	253-847-7555
Tacoma	253-591-5543
-Thurston County	360-786-5494
LeMay:	
-Garbage Service	253-537-8687
-Installation Recycling Center	253-381-5169
MAMC	
-Injector & Sharps (Units)	253-968-0876
	253-968-0873
-Preventive Medicine	253-968-4331
Permits:	
-Asbestos	253-966-1776
-Dig	253-967-5237
Range Control	253-967-6371
	253-966-8763
PW Service Order Desk	253-967-3131
Sharps (Residential Information)	
-King County Health Dept.	206-296-4600
Drop locations/needle exchange	800-678-1595/206-205-7837
-Kitsap County Health Dept.	360-337-5246
Ext. 5235	
-Pierce County Health Dept.	253-798-6047
-Thurston County Health Dept.	360-754-4111
Storm Water	253-966-1795
Toxic Substances Management	253-966-1775
Waste Water Treatment Plant	253-967-7453
Water Program	253-967-2837

## ACRONYMS

ASP	Ammo Supply Point
ATNAA	Antidote Treatment Nerve Agent Auto Injector
BBP	Blood Bourne Pathogens
CBRNE	Chemical Biological Radiological Nuclear Explosive
CFC	Chlorofluorocarbon
DD	Department of Defense
DOA	Delegation of Authority
DRMO	Defense Reutilization and Marketing Office
ED	Environmental Division
EOD	Explosive Ordnance Disposal
EOP	Environmental Operating Permit
ES	Environmental Services
FRH	Flameless Ration Heaters
GAA	Grease, Automotive Artillery
GPC	Government Purchase Card
HazCom	Hazardous Communication
HCFC	Hydro Chlorofluorocarbon
HHW	Household Hazardous Waste
HMCC	Hazardous Material Control Center
IPB	Installation Property Book
LWPS	Light Water Purification System
MAMC	Madigan Army Medical Center
MSDS	Material Safety Data Sheet
MRE	Meals Ready Eat
MWR	Morale Welfare and Recreation
NBC	Nuclear Biological Chemical
NFPA	National Fire Protection Agency
ODS	Ozone Depleting Substance
OIP	Organizational Inspection Program
OSHA	Occupational Health and Safety Administration
OWS	Oil Water Separator
PCB	Polychlorinated Biphenyl's
POL	Petroleum, Oil and Lubricants
PPE	Proper Protective Equipment
PPM	Parts Per Million
PW	Public Works
QASAS	Quality Assurance Specialist, Ammunition Surveillance
ROWPU	Reverse Osmosis Water Purification Unit
SCI	Special Compartmented Information
TSCA	Toxic Substance Control Act
TSM	Toxic Substances Management
TWPS	Tactical Water Purifications Systems
UXO	Unexploded Ordinance