



Petroleum, Oils, and Lubricants (POLs)

POL





Enabling Learning Objective

- **ACTION:** Employ POL/Used Oil Management Techniques
- **CONDITION:** In a classroom environment, using information presented in Environmental Bulletin (Sep 04). The bulletin can be found on the FLW Environmental web page at wood.army.mil/DPWENV
- **STANDARD:** Students will:
 - ✓ Identify responsibilities IAW The Clean Water Act and FLW Guidance
 - ✓ Identify proper POL Management Techniques

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Clean Water Act (CWA)

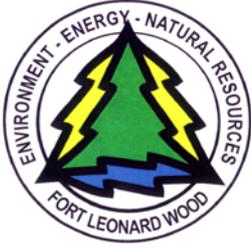


Regulates the discharge of contaminants such as oils, sediment, trash, POLs, and wastewater into rivers, lakes, streams, and water treatment facilities.

What is your primary responsibility for safeguarding water?

POL





Sources for Water Pollution

- ✓ POLs
 - ✓ Erosion
 - ✓ Secondary Containment
 - ✓ Insecticides
 - ✓ Wash rack & OWS
-
- Purposeful or Accidental



What's Wrong With This Picture?

POL





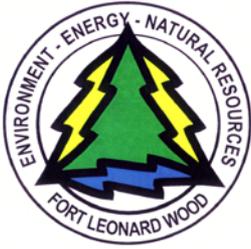
Used Oil

- Place in bung type steel drum, preferably <55 gallons
- Marked as **“USED OIL”** in letters at least **1.5”** or **1 1/2”** high
- Any container of 55 gallons or more of POL product **MUST** have secondary containment.
- Secondary containment must be capable of holding 110% of capacity of the largest container.
- Container must be placed on a hardstand (i.e. asphalt or concrete).
- Container must be kept closed except when adding oil.
- All **“Used Oil”** is recycled.



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Used Oil - Spills

- Spill Cleanup Kit must be kept at each facility having POL products and will contain a minimum of:
 - ✓ Absorbent materials
 - ✓ Broom
 - ✓ Dustpan
 - ✓ Trash Bags
- Kit will be marked **“SPILL KIT”** and not used for any other purpose.
- POL-contaminated floor sweep and soil greater than 10 lbs will be taken to Soil Reclamation Bldg (2267/2268). Check in at Bldg 2212 first.
- POL-contaminated floor sweep and soil less than 10 lbs can be taken to the Soil Reclamation Bldg (2267/2268) or double bag and place in trash dumpster.



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Petroleum Oils and Lubricants Used Oil Storage Requirements

- Hydraulic fluid, brake fluid, and transmission fluid may be mixed with Used Oil.
- **No other materials** (i.e. fluids, absorbent material, oil filters, gaskets, or shop rags) will be disposed of in Used Oil containers.
- Used Oil Tanks/ Containers are pumped by the DPW Contractor, call 573/596-0333.





Secondary Containment Management

- Any container of POL product having a capacity of 55 gallons or more MUST have secondary containment.
- Containment Areas must be kept clean of debris.
- If rainwater can collect in containment, a lockable drain valve must be provided.
- If water is contaminated or shows a sheen, call DPW Contractor (573/596-0333) to have fluids pumped out of containment area.
- Keep drain valve closed and locked except when draining clean non-oily rainwater. You must remain at the site while the valve is open.
 - ✓ Record event on the Aboveground Tank Containment Drainage form located at www.wood.army.mil/DPWENVV.
 - ✓ Maintain in file for a minimum of one year.

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Disposal of Various POL Related Products

- Floor sweep used to clean up oil spills
- POL soaked soil
- Absorbent pads and socks
- Oil filters
- Hydraulic fluids
- Soiled rags
- Gasoline contaminated with water.
 - HW, contact HW contractor (573/596-5951)
- Diesel fuel contaminated with water
 - Service order for DPW Contractor (573/596-0333)
- Solvents
- Antifreeze
 - Recycle through DOL (573/596-0877)



What is Wrong With This Picture?

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Disposal of Various POL Related Products

- Oily rags must be placed in a metal container, marked “OILY RAGS ONLY”.
- Container must be kept closed except when adding rags.
- All liquid must be removed from rags prior to placing in the container.
- Oily rags will be taken by the user to the post laundry and exchanged for clean rags or turned in to the HW Contractor.

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Petroleum Oils and Lubricants

Diesel Fuel Storage Requirements

- Place in bung type steel drum and mark “BOILER FUEL”.
- Containers \geq 55 gallons must have secondary containment.
- Container must be placed on hardstand.
- Container must be kept closed except when adding diesel fuel.
- Only diesel fuel may be added to this container.
- Diesel fuel collected on post will be used as boiler fuel.
- Containers will be pumped by the DPW Contractor, call 573/596-0333.



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Petroleum Oils and Lubricants

POL Disposal

- Gasoline contaminated with water and contaminated grease must be turned in to DRMO IAW the hazardous waste turn-in policy. www.wood.army.mil/DPWENV HW contractor (573/596-5951).
- Used antifreeze should be recycled at the DOL Maintenance Facility (unless it is contaminated).
- POL-contaminated floor sweep and soil greater than 10 lbs will be taken to Soil Reclamation Bldg (2267/2268). Check in at Bldg 2212 first.
- POL-contaminated floor sweep and soil less than 10 lbs should be taken to the Soil Reclamation Bldg (2267/2268) or double bagged and placed in trash dumpster.



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Petroleum Oils and Lubricants

POL Disposal for Oil Filters

- Oil filters must be inverted, **punctured**, and “hot drained” for 24 hours before disposal.
- After 24 hours, oil filters must be placed in a dumpster specifically designated for oil filter recycling (if available at the unit).
- If recycling is not available, double bag the pre-drained filter in plastic bags and discard in a regular solid waste dumpster.

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Petroleum Oils and Lubricants Disposal for Used POL Containers

- + Empty POL Containers must be triple rinsed at a wash rack
- + Containers must then be labeled “triple rinsed”
- + Containers should be turned in to DRMO on Gas Street

Note: If a container is to be used as a training aid, the container must be triple rinsed, labeled “triple rinsed” and labeled “Training Aid”

- + For non-POL related containers, contact the FLW Hazardous Waste program manager at the DPW Environmental Division at 573/596-0882

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Soil Reclamation Building #2267/2268

- Soil Reclamation Building.
 - ✓ Check in with the Roads and Grounds Supervisor in Bldg 2212, phone 573/596-0912.
- Wash-rack sediment – must drain water from sediment first.
- POL contaminated soil
- Call Environmental Division for additional information 573/596-0882.

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