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# ***Environmental Quality Officers (EQO) Meeting***

***1 September 2011***

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***Our mission is to provide standardized, effective & efficient services, facilities and infrastructure to Soldiers, Families and Civilians for an Army and Nation engaged in persistent conflict.***

*We are the Army's Home*



# EQO Meeting



## AGENDA

- Introduction
- Compliance Branch
- Conservation Branch
- Pollution Prevention Branch
- Open Discussion and Questions
- Closing Remarks



# EQO Meeting



## Introduction

- Welcome
- Please Complete the Attendance Sheet



# EQO Meeting



## Compliance Branch

- Spill Response
- Storm Water
- Issues





# EQO Meeting



## What is an Illicit Discharge?

- ... any discharge to an MS4 (storm drain) that is not composed entirely of storm water....  
40 CFR 122.26(b) (2)
- “...a storm drain that has measurable flow during dry weather containing pollutants...”



## Examples of Illicit Discharges?

- Shop floor wash water
- Equipment wash water
- Spills
- Intentional Dumping in storm drain (oil, paint)
- Concrete washout



## Examples of Illicit Discharges



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## QUESTIONS...

**For additional information contact:  
Environmental Division – Storm Water Program**

**Dan Etson                      270-798-9784**

**Nate Reynolds              270-798-9639**



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## Conservation Branch

- Issues



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## Pollution Prevention Branch

- Solid Waste / Recycling
- Hazardous Waste
- PPOC
- Education



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## Recycling is Mandatory at Fort Campbell

- Mandatory Cardboard and Office Paper Recycling Policy
  - Originally dated 31 January 2003
  - Reaffirmed /expanded by MG Schloesser 11 June 2007
- Recycling is mandatory for installation sustainability and mission readiness
- Recycling Policy aims to minimize waste, encourage reuse, and maximize recycling on the installation
- All Soldiers and civilians are required to be in compliance with this policy

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## Recycling is Mandatory at Fort Campbell

- Policy expanded to include:
  - Metals
  - Plastics
  - Glass
  - Electronics
  - Tires
  - Wood/yard waste
  - Toner cartridges
  - Appliances
  - Other materials accepted at the Recycling Convenience Center



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## Recyclable Items at Fort Campbell

- **Mixed paper** must be placed in **Blue** containers.
- Trash is being found in **Blue** Containers





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## Recyclable Items at Fort Campbell

Cardboard does **NOT** belong here



It belongs here



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## Fort Campbell Recycling Convenience Center

- Located at the corner of A Shau Valley Road and Airborne Street

**Recycling Convenience  
Center Hrs: M-F 9am– 5pm  
Sat 8am- 4pm  
Sun 12pm- 4pm**

**DONSA & Holiday Hours:  
0800-1600**

**Closed: New Years, July 4th,  
Thanksgiving, Christmas**



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## Items Accepted at the Recycling Convenience Center

- Mixed paper
- Cardboard
- Aluminum/tin cans
- Plastics #1 and #2
- Glass
- E-waste: televisions, monitors, computers, printers and cell phones
- Pallets
- POV furniture from on-post
- Tires (POV), separated from rims
- POV tire rims
- Wood/leaves/yard waste
- Printer cartridges
- Antifreeze
- POV batteries & fluids
- Cooking oil
- Fuel
- Steel (non-military)



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## Monetary Benefits of Recycling

- FY10 Revenue from cardboard, paper, plastic, glass, aluminum/tin cans, and wood pallets:

1 <sup>st</sup> Quarter	\$36,253.95
2 <sup>nd</sup> Quarter	\$49,864.14
3 <sup>rd</sup> Quarter	\$48,497.39
4 <sup>th</sup> Quarter	\$32,624.91 (No figures for Sept.)
<b>Total</b>	<b>\$167,240.39</b>

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## Monetary Benefits of Recycling

- Gardener Indoor Pool renovated w/ money earned from recycling
- Dolan Indoor Pool has also been renovated w/ funds





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## Outreach and Education

- Outreach and education services may be obtained by contacting the Solid Waste and Recycling Program office at:

**798-9773, 9762, 9780 or 9785**



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## EQO Responsibilities

- Promote proper waste disposal practices
- Inform the Soldiers that **recyclables are not garbage**
- Periodically monitor/check garbage dumpsters for recyclables
- Check the blue paper recycle containers for plastics, glass, aluminum cans, and food.
- Ensure that dumpster lids are closed
- **Remember: Call for help at 798-9762, 9773, 9780, 9785.**



## EQO Duties & Responsibilities

1. **Brigade EQOs - ensure each BN has an EQO appointed on orders and trained.**
2. **Function as a liaison for the SAP Operator, POL Operator, and HazMat Custodian.**
3. **Ensure documentation to open, reestablish, move or close a SAP or POL site is signed by the Commander and EQO. If relocated, a new diagram is required.**
4. **Ensure SAP, POL, Hazmat Custodian and Oil Handling Personnel receive training.**
5. **Ensure inspection of SAP and POL sites are conducted weekly.**
6. **Ensure SAP and POL site documentation is complete.**



# EQO Meeting Satellite Accumulation Point Operations



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## PART I

### Site Certification and Admin

- Commander/Director Memo
- Site Specific Drawing
- HW Program Manager Memo
- EQO Certificate
- HW Operator Certificate
- Operators Training Roster
- Deployment Memos (Military)

## PART II

### FTCKY Hazmat Inventory Form

List the products and waste managed at the SAP

## PART III

### Product Material Safety Data Sheets (MSDS's)

Insure there are no compatibility issues at the site

## PART IV

### Waste Profiles

Generator knowledge or analysis of process wastes to ensure proper manifesting to the Treatment, Storage and Disposal Facility (TSDF)

## PART V

### Site Inspections (*On file for three years*)

Weekly operator inspections, monthly environmental division inspection, and regulatory inspections

## PART VI

### Chain of Custody/Waste Turn-In Log (Optional)

Utilize chain of custody turn-in log or DD Form 1348-1a for turn-in of hazardous waste.

**Green Filters**

GAS MASK  
FILTERS  
NON-HAZARDOUS  
(Green)



**M256 / M258 Kits**



**Black Filters**



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**Motor Oil  
Synthetic Oil  
Heating Oil  
Transmission Fluid  
Hydraulic Fluid  
Brake Fluid  
Diesel Fuel  
Kerosene  
and  
< 55 Gal JP-8**



SCU's may be obtained through the PPOC

## OIL (USED)

USED OIL includes all of the following items: Motor Oil, Diesel Fuel, Transmission Fluid, Brake Fluid, Hydraulic Fluid, Synthetic Oils, Heating Oil, Kerosene, and less than 55 gallons of JP8

### POSSIBLE AREAS OF CONCERN

Used Oil potentially contains traces of metals such as chromium, cadmium and lead. Used oil items have a flash point above 100 degrees F.

### CHARACTERIZATION

Used petroleum-based and synthetic oils are non-hazardous industrial wastes and are collected on the installation for recycling. Used Oil recycling generates money for MWR programs.

### HANDLING PROCEDURES

- Step 1 Establish your POL point by contacting the DPW Environmental Division, Hazardous Waste Section.
  - Step 2 Obtain a 55-gallon metal drum and Secondary Containment Unit (SCU) by contacting PPOC Services.
  - Step 3 Ensure the drums and the SCU are marked "Used Oil"
  - Step 4 Place Used Oil in the drum. Keep drum and SCU closed except when adding or removing contents. Locking is not required, but it will assist to keep SCU closed.
  - Step 5 Contact PPOC HazWaste Pick Up for disposal.
- NOTE: SCU must be located in an area accessible by a large truck for easy removal.
- NOTE: Do Not mix Used Oil with antifreeze. If antifreeze is contaminated with Oil, contact PPOC Support to get additional guidance.
- NOTE: Drip pans/SCU with oil and water should not be poured in Used Oil container. See Drip Pan guidance for disposal suggestions.
- NOTE: Oil carts should be emptied daily and not used for storage.



Used Oil SCU



Used Oil may be placed in your return locker for pickup

### GENERAL INFORMATION

No solvents or other hazardous wastes can be mixed with Used Oil. If hazardous waste (brake cleaner, parts/weapons cleaner solvent) has been mixed with the oil, contact PPOC Services. Incidental amounts (less than 55 gallons) of fuels such as JP8 and diesel may be combined with the Used Oil. For quantities greater than 55 gallons, see protocol sheet, "Fuel JP8 Large Quantity," pg A-33. DO NOT place MOGAS or Coleman Fuel in the Used Oil container. These items must be transported to the PPOC for disposal.



**ENV HB  
Page  
A-54**

**Mark  
Container  
and SCU**

**Do Not Mix  
Solvents  
Antifreeze  
Gasoline  
Other HW**

# EQO Meeting



## POL Accumulation Point Documentation



DEPARTMENT OF THE ARMY

\_\_\_\_\_

\_\_\_\_\_

Fort Campbell, Kentucky 42223

AFZB- \_\_\_\_\_

\_\_\_\_\_ Date

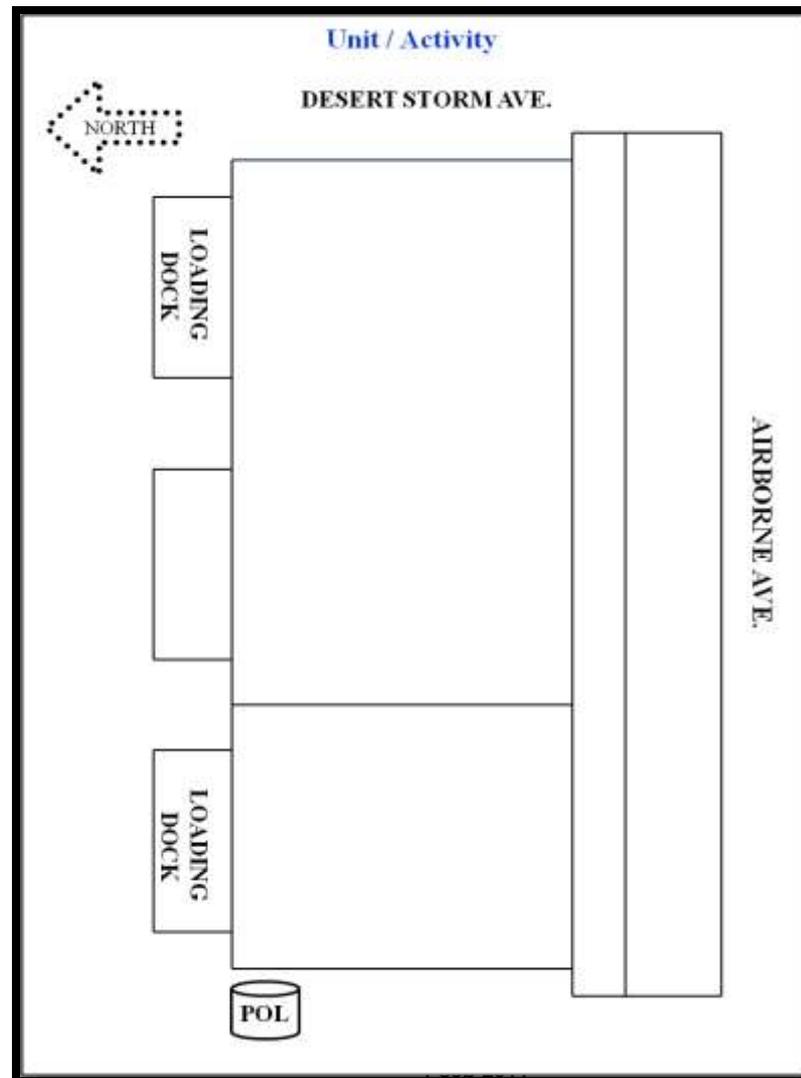
MEMORANDUM FOR The Environmental Division, Pollution Prevention Branch

SUBJECT: Request Establishment of a Petroleum, Oil, and Lubricant (POL) Accumulation Point

1. Request establishment of the POL at the following unit/activity \_\_\_\_\_
2. The estimated date of establishment will be \_\_\_\_\_
3. This POL site is located in building \_\_\_\_\_ located near the intersection of \_\_\_\_\_ in room \_\_\_\_\_
4. The POL at this location will be used to accumulate POL waste IAW applicable regulations. All waste containers will be emptied by calling the PPOC at 3<sup>rd</sup> and Wickham Ave. (798 9700). Forward this memorandum to the Environmental Division's Pollution Prevention Branch (798 9763/9105) and place a copy in your site spill plan folder. Secondary containment units (SCU) will be used at the site. POC for secondary container units (SCUs) is the Environmental Division (798 3105).
5. The Environmental Quality Officer (EQO) is \_\_\_\_\_ and can be contacted at phone number \_\_\_\_\_
6. The point of contact for this memorandum is \_\_\_\_\_ and can be contacted at phone number \_\_\_\_\_

\_\_\_\_\_  
\_\_\_\_\_  
Commanding

\_\_\_\_\_  
\_\_\_\_\_  
Environmental Quality Officer







**USED  
OIL**

USED OIL INCLUDES ALL OF THE FOLLOWING ITEMS:  
MOTOR OIL, TRANSMISSION OIL, BRASS FUEL, TRANSMISSION  
FLUID, BRAKE FLUID, HYDRAULIC FLUID,  
HEATING OIL, HEATING OIL, KEROSENE,  
AND LESS THAN 55 GALLONS OF JET

**USED ANTIFREEZE**

- ✓ SCU Labeled
- ✓ Sign posted
- ✓ Drums Labeled
- ✓ Drums closed
- ✓ No leaks
- ✓ No FOD or other debris



## POL Accumulation Point

### How to Move a SAP or POL Site

1. Submit a closure memo signed by the Commander and EQO to the Environmental Division.
2. Empty the containers and turn them in if they are not needed.

#### Moving to a new location?

- Keep the poster, documentation and containers
- Submit a memo and diagram for the new location.



## Label Container “Universal Waste Lamps”

Date Container  
with the date  
the first used lamp is  
placed in the container

Keep Container Closed  
Unless  
Adding or Removing  
Waste Lamps

## FLUORESCENT TUBES and MERCURY- CONTAINING LAMPS

### POSSIBLE AREAS OF CONCERN

Small quantities of mercury, antimony, cadmium, barium, and lead are used to manufacture fluorescent bulbs and mercury vapor lamps, metal halide and high pressure sodium lamps.

### CHARACTERIZATION

All used lamps including fluorescent bulbs and mercury-containing lamps are universal wastes.

### CONTAINER MARKING AND HANDLING PROCEDURES

- Step 1 Place used fluorescent tubes in the original container or shipping box provided. Box must be able to be closed (do not cut end out of box).
- Step 2 a. Label the box with “Universal Waste Lamps”.  
b. Date the box with the date the first used lamp is put in the box/container (used bulbs should not be maintained in area longer than 6 mos).
- Step 3 Always close container after adding bulb/lamp.
- Step 4 Transport used bulbs in a sturdy box to the appropriate consolidation points for your unit/activity.

NOTE: Broken tubes/bulbs should be swept up, bagged/containerized (BMP) and taken to Troop Self Help. If a lamp is broken off at the end and is too large to bag, place the lamp inside the Universal Waste fluorescent lamps box and take it to Troop Self Help.

- Troop Self Help, Bldg 863, Bastogne Ave & 14th St.
- AAFES Main Exchange (for AAFES facilities only), Bldg 2840, Bastogne Ave
- 160th SOAR Boeing Sikorsky, Bldg 7281
- Blanchfield Army Community Hospital (BACH), Bldg 650 Joel Drive
- Ft Campbell Dependent Schools for schools only, Bldg 1110, Falcon Loop

NOTE: Troop Self Help will issue one for one exchange of bulbs to units and activities with an established account. Do Not Purchase Fluorescent tubes/lights on Government credit card (GPC).



Fluorescent tubes boxed, labeled and sealed.

### GENERAL INFORMATION

All used bulbs are recycled, even the low level mercury-containing ones. For additional information contact Environmental Division Hazardous Waste.

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## Non-Lead Acid Batteries

Alkaline  
Lithium

Nickel Cadmium

Magnesium

Ni-Cad

Mercury

& other

Rechargeable Batteries

Contact the PPOC to  
Schedule Pick-up

ENVIRONMENTAL GUIDANCE HANDBOOK  
This is an UNCONTROLLED DOCUMENT printed for reference only. The controlled document is on-line on the Fort Campbell Internet under  
Directorate of Public Works, Environmental Division. <http://www.campbell.army.mil/campbell/directorates/DPW/envdiv/Pages/default.aspx>

## BATTERIES (NON-LEAD-ACID)

Alkaline, Lithium, Nickel-Cadmium, Magnesium, NiCad, Mercury and  
Other Rechargeable Batteries

### POSSIBLE AREAS OF CONCERN

Alkaline, Lithium, Nickel-Cadmium, Magnesium, NiCad (wet), Mercury, Lithium-Ion, Nickel Metal  
Hydride and Rechargeable Batteries have chemicals that are a concern during routine use and disposal.

### CHARACTERIZATION

All Lithium, Lithium-Ion, Nickel Metal Hydride, Nickel-Cadmium, Magnesium, and Mercury batteries  
may be Universal Waste. As a best management practice, all batteries will be collected as Used  
Batteries, and waste determinations will be made by PPOC Battery Program personnel upon turn in.

### HANDLING PROCEDURES

- Step 1 Battalion level unit Commo/S6/Activity  
contact PPOC Battery Program to establish  
program. (i.e., quantity, type, inventory,  
location).
- Step 2 Unit will maintain a Bench Stock. UBL will  
be maintained by PPOC Battery Program.
- Step 3 Unit/activity will secure an approved plastic  
container with closeable top.
- Step 4 Container will be labeled "Used Batteries" by  
way of printed label or by writing "Used  
Batteries" on the container.
- Step 5 Individual will sign out batteries from unit  
battery storage area.
- Step 6 When returning used batteries, individual will  
sign battery in, place it in Used Batteries  
container and get replacement (step 5).
- Step 7 The Used Batteries container will be picked  
up by PPOC personnel, and the PPOC will  
provide a replacement container. Contact  
PPOC Battery Program to schedule pick up.



Lithium, Nickel-Cadmium (NiCad),  
Lithium-Ion, Nickel Metal Hydride  
Magnesium, and Mercury batteries may  
be Universal Waste.



**BMP:** Alkaline batteries should/may  
be placed in the "Used Batteries"  
container for convenience and  
appropriate sorting. Regulations allow  
alkaline batteries to be discarded in the  
regular refuse (solid waste) stream.

**NOTE: DO NOT DISCHARGE LITHIUM  
COMMO BATTERIES ON FT.  
CAMPBELL. THEY WILL BE  
TESTED AND EVALUATED FOR  
CONTINUED USE.**

**NOTE:** Directorates contact PPOC Battery  
Program for battery supply and turn in.

### GENERAL INFORMATION

Alkaline batteries (AA, AAA, C, D, 9V) may be returned to the unit battery return area. For additional  
information contact PPOC Battery Program.

## Do Not

- Segregate
- Tape
- Discharge

Manage as  
"Used Batteries"

Waste  
Determination  
is made  
at the PPOC



## Hazmat UBL (Class III)

- PPOC Contingency program will maintain and manage all UBL stock of Hazmat.
- Unit will maintain a seven (7) day bench stock through the HAZMAT locker. UBL will be maintained at the PPOC Contingency Warehouse.
- Contact PPOC Manager (798-1157) or view page A-48 of the Environmental Handbook for more information.

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## Re-establishing HAZMAT Locker

- Contact PPOC Services (798-9791) to let them know you are back and need Hazmat to perform vehicle maintenance.
- Provide locker locations, Building # contact info.
- PPOC Services will help you determine appropriate Hazmat for your locker using historical data prior to deployment.
- Do not support UBL (training) operations with locker supplies.
- Lockers are unit purchase items.



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## Battery UBL (Class IX)

- Contact PPOC Battery Program (798-9765) to establish program for battalion level unit Commo/S6/Activity.
- Unit will maintain a bench stock. UBL will be maintained at the PPOC Battery Warehouse.
- Contact PPOC Manager (798-1157) or view page A-18 of the Environmental Handbook for more information.



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## Education-EQO Class Dates

- 13-14-15 Sep 2011 Education Center Room 1114
- Class 001 4-5-6 Oct 2011; Education Center Room 1103
- Class 002 1-2-3 Nov 2011 Education Center Room 1103
- Class 003 6-7-8 Dec 2011 Education Center Room 1103
- Class 004 10-11-12 Jan 2012 Education Center Room 1103
- Class 005 7-8-9 Feb 2012 Education Center Room 1103
- Class 006 6-7-8 Mar 2012 Education Center Room 1103
- Class 007 3-4-5 Apr 2012 Education Center Room 1103
- Class 008 1-2-3 May 2012 Education Center Room 1103
- Class 009 5-6-7 Jun 2012 Education Center Room 1103
- Class 010 10-11-12 Jul 2012 Education Center Room 1103
- Class 011 7-8-9 Aug 2012 Education Center Room 1103
- Class 012 18-19-20 Sep 2012 Education Center Room 1103



# EQO Meeting

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## Open Discussion and Questions

- Your Time??



# EQO Meeting

## Closing Remarks

