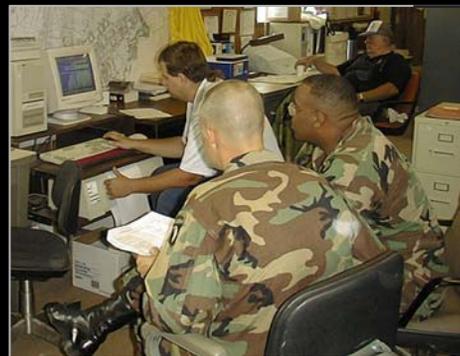




POLLUTION PREVENTION

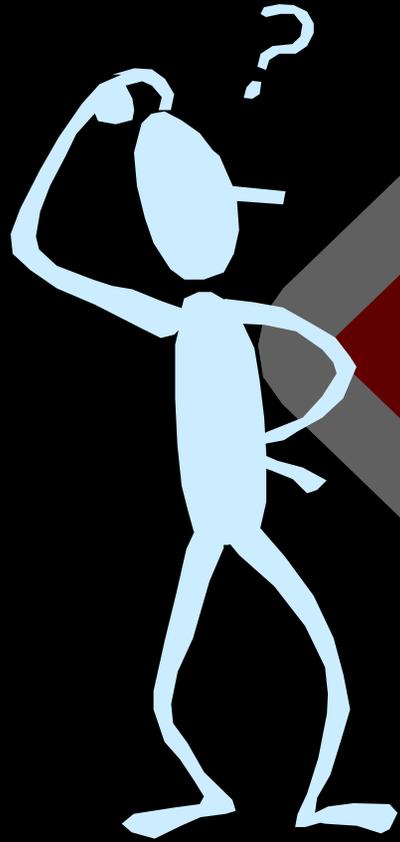
OPERATION

CENTER



Fort Campbell Environmental Division

Hazardous Material Management



Why Worry?
IMMEDIATE

HAZMAT SAFETY

HAZARDS

PROTECTION

HEALTH

Carcinogens

Toxic Agents

Irritants

Corrosives

Inhalation

Absorption

Ingestion

PHYSICAL

Fire

Explosion

Oxidizers

Reactive

Liquid

Solid

Gas

READ LABELS

READ MSDS's

WEAR PPE

REFERENCES: 29 CFR 1910.1200, CAM REG 385-6

BACKGROUND

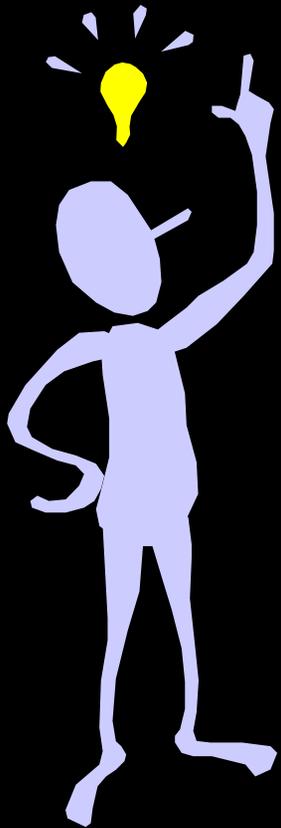
Prior to 1996, Fort Campbell Received NOV's for Improper Hazardous Material Management.



\$32,500 Per-Container, Per-Day, Fine Potential

HAZARDOUS MATERIALS

EQO RESPONSIBILITIES



- HAZMAT STORAGE and HANDLING
- CONTAINER LABELS and MARKING
- MAINTAIN COMPLETE HAZMAT INVENTORY
- MATERIAL SAFETY DATA SHEETS (MSDS)
- HAZCOM TRAINING PROGRAM (Safety Officer?)
- EMERGENCY SPILL PLANNING
- TRAIN, INSPECT, MONITOR

PPOC SUPPORT SERVICES

- Hazardous Material Control Center
- Hazardous Waste Management
- Parts Washer Servicing
- On-Site Parts Washer Solvent & Antifreeze Recycling
- Used Oil & Recyclable Fuel
- Hazardous Substance Management System
- Waste Minimization Programs
- Compliance & Customer Training



Pollution Prevention Operations Center

Mission:

To provide a customer oriented program for complete management of hazardous material and waste at Fort Campbell.

Goals:

- *Enhance Combat Readiness*
- *Increase Safety*
- *Improve Economics*
- *Maintain Environmental Compliance*

PPOC Programs

HMCC

HAZARDOUS MATERIAL CONTROL CENTER

Hazardous Material Control Center (HMCC)

EQO Responsibilities

- **Primary POC for HMCC**
- **Establish HAZMAT Requirements with Commander & HMCC**
- **Ensure all HAZMAT is obtained through HMCC**
- **Ensure HAZMAT Custodian is appointed by Commander for each section storing HAZMAT**
- **HAZMAT Coordination with Movement Personnel (UMO)**
- **Performing Monthly Assessments**

Hazardous Material Control Center (HMCC)

HAZMAT Custodian Responsibilities

- **Assists EQO**
- **Additional POC for HMCC**
- **Control Access of HAZMAT storage areas**
- **Ensure HAZMAT is returned and storage areas are secured when not in use**
- **Ensure chemical sign in/out logs are properly completed**
- **Coordinating changes to inventory (GSL)**
- **HAZMAT Coordination with Movement Personnel (UMO)**

PPOC Programs

HMCC GARRISON SUPPORT

- **Product Obtained**
- **Serviceability Ensured**
- **Materials Delivered**
- **Removal of Empty Containers/Contaminated Materials**
- **Management Assistance of Hazmat Storage Areas**
- **Shelf Life Management**
- **Q/A Assessments**
- **Compliance Assistance**



HMCC Procedures

Serviceable HAZMAT Storage Area (Garrison)

- Know who your HAZMAT POC.
- Inventory & Sign-out Log Posted.
- Sign for products removed from HAZMAT storage areas.
- Return serviceable products to the location indicated on the sign-out sheet and sign them back in.
- MSDS's Provided
- Additional Needs? Contact POC.



Do Not Support Contingency Operations with Garrison Stock

HMCC Procedures

RETURN AREA (Garrison)

- Place all empty containers and contaminated materials here, i.e. bagged POL absorbents (≤ 5 lbs.)
- ALL containers must be marked to identify contents.
- Ensure containers are closed and placed to prevent spills.
- HAZMAT storage area restocked upon return of empty containers.



CL III(P) UBL SUPPORT



- **Coordinated with Commanders**
- **15 DOS UBL Packages**
Maintained, Rotated and Managed
- **Available in 7 and 15 Day increments 24 hours a day**
- **Performance Oriented Packaging**
- **Currently Supporting All Deployable Customers**

JRTC, NTC, EDRE, FTX's, REAL WORLD MISSIONS

CL III(P) UBL FACILITY



- **BLDG. 5133 2nd St. & Wickham Ave.**
- **Hours: 0700 - 1600**
- **UBL HAZMAT Picked Up & Returned Here**

Phone 798-9765 /1157

After Hour EMERGENCY Support: 931-624-4630

HMCC Procedures

CL III(P) UBL Support

- **30- Day notice Required for all scheduled training exercises**
- **Return Unused Materials and MSDS Packet to PPOC Upon Recovery**
- **Local Deployment: Return Empty Containers & Contaminated materials to PPOC Upon Recovery**
- **Other Deployments: Dispose of Empty Containers & Contaminated materials. Follow Host's Operating Procedures.**
- **EOC Notifies HMCC if Necessary**

HMCC Procedures

CL III(P) UBL Support

- Packaging assistance provided by HMCC support personnel on unit managed HAZMAT items
 - **Examples:** Fire Extinguishers, Stoves, Field San, Propane/Coleman fuel, Fuel Containing Apparatus's, Cigarette Lighter Fluid, Rubbing Alcohol
- Fuel Cans require proper marking
- Mark & consolidate HAZMAT items at company level
- Transport HAZMAT items to Bldg. 5133 for packaging
- Mode of transportation information required
- Placards & labels available. [Questions? 798-9765](tel:798-9765)

PPOC Programs

CL IX Battery Management (COMMO)

- Managing All Division Batteries Except Lead Acid
- BN UBL Managed
 - BN ASL at BN COMMO Shop
 - Remainder of BN UBL at Bldg. 5209
- Return Area Established In COMMO Shop
- Battery Testing & Re-Issue
- Disposal
- Questions? 798-9761/956-1420
- Request Pick-Up 798-9790



PPOC Lithium Battery Discharge Facility

PPOC Programs

CL IX Battery Management (COMMO SHOP)

- **Instruction:**
 - **Who's Responsible?:** Commander, EQO, and Signal Officers, Safety Officer(?)
 - **Signal Officer:** Considered primary PPOC/HMCC POC. Controls access to battery storage areas. Ensures sign in/out logs are properly completed and ensures batteries requiring test are place in the designated area.
 - **Unit Personnel:** Must utilize sign in/out logs and return both serviceable batteries and batteries requiring testing to COMMO shop. DO NOT Discharge Lithium Batteries.

PPOC Programs

CL IX Battery Management (COMMO SHOP)

- **Storage/Safety/Training:**
 - **Battery Storage:** Must be stored in cool and dry environments (< 120 F) per CECOM and Mfg's guidance.
 - **Safety:** Ensure dry chemical extinguisher are available. Remove "Water Type" extinguishers. Maintain battery MSDS's and ensure they are readily available.
 - **Training:** Initial training provided by PPOC personnel (Reoccurring upon request). Must be documented and maintained in COMMO shop.

PPOC Programs

CL IX Battery Management (COMMO SHOP)

- **Procedures:**
 - **Restocking:** BN ASL located within COMMO shop replenished on a “one for one” exchange and based on return of batteries.
 - **Additional Batteries:** All battery requests above the identified BN UBL quantity must be requested in writing utilizing the Battery Request form. (Requires Commander or BCT S6 signature)
 - **Procurement:** The PPOC/HMCC DODAAC will be utilized for purchase. Units will not utilize government credit cards or Unit SSA for procurement of batteries managed by the PPOC/HMCC.

PPOC Programs

CL IX Battery Management (COMMO)

- **Contingency Procedures:**
 - **Storage:** BN UBL maintained in Bldg. 5209
 - **Requesting:** 30- Day notice Required for all scheduled training exercises
 - **Packaging:** Performance Oriented Packaging (POP) provided per mode of transportation.
 - **Issuing/Recovery:** All batteries and related items issued from Bldg. 5209 must be returned to Bldg. 5209. Call 798-9761 or 956-1420 to schedule a pick up or return.
 - **Additional Guidance:** Additional guidance will be given prior to deployment. Questions? Call 798-9780

After Hour EMERGENCY Support: 931-624-4630

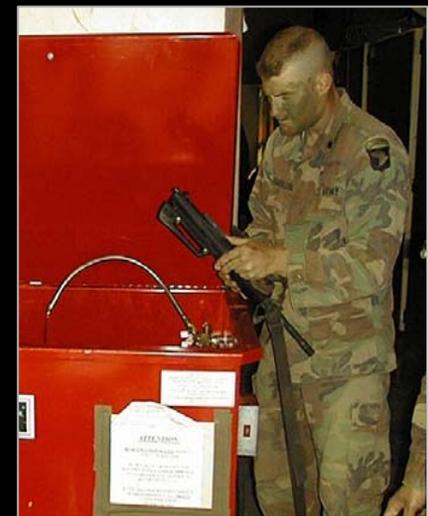
PPOC Programs

Additional Support

PPOC Programs

Parts Washer/Weapons Cleaner Management

- **Research and Development**
- **Non-Toxic Solvent Utilized**
- **On-site Solvent Recycling**
- **Scheduled Servicing**
- **Maintenance**



PPOC Programs

Parts Washer/Weapons Cleaner Operating Procedures

- **EQO to Provide Training & Ensure Posted Procedures are Followed**
- **Do Not Move or Relocate Parts Washing Equipment**
- **Do Not Contaminate Solvent with Other Chemicals**
- **Maintain Equipment, Keep Lid Closed When Not In Use**
- **Ensure Unrestricted Access for Service Team**
- **Notify PPOC Prior to Deployment (\geq 2 Months)**
- **Questions? Call 798-9760 or 9076**

PPOC Programs

Spill Response Materials & Kits

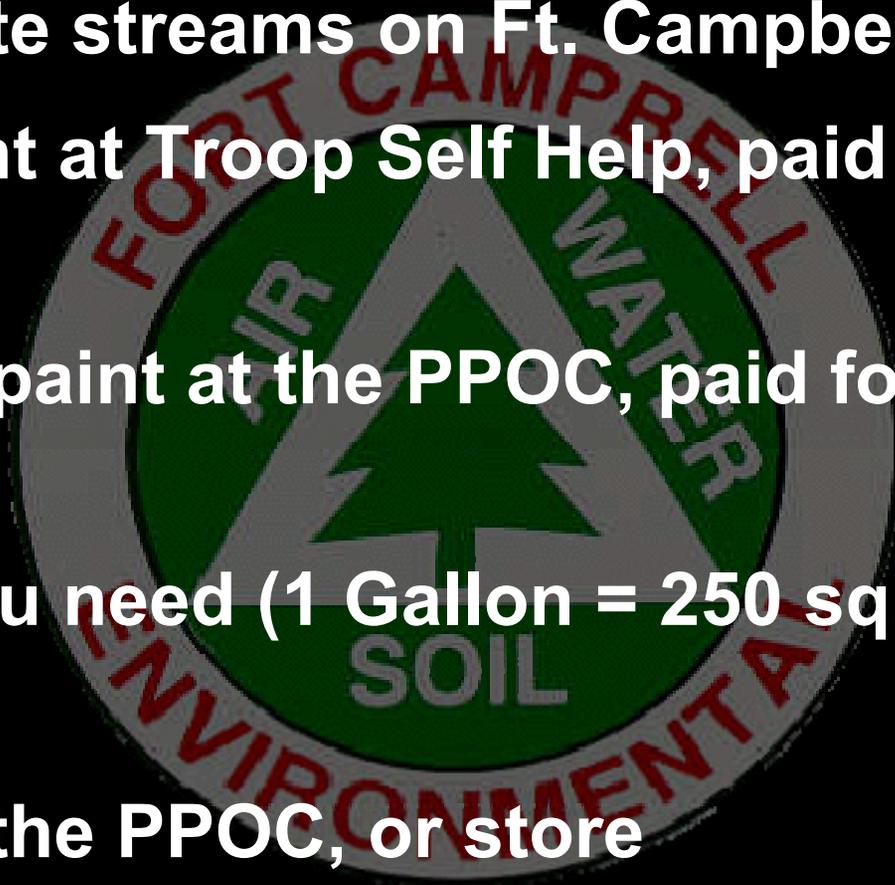
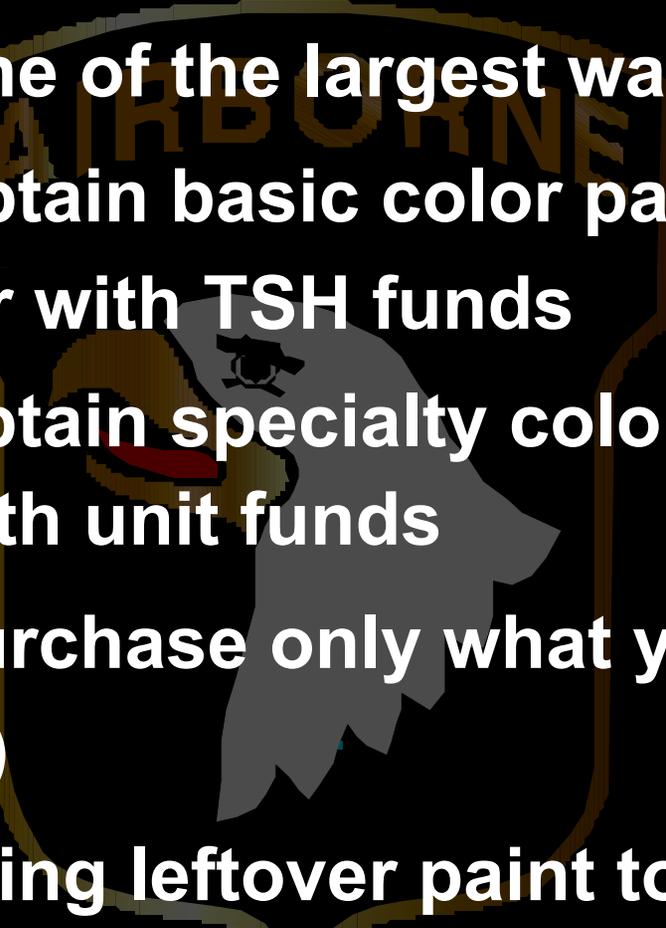
- Issued to Units and Activities
- Replenishment Stocks Maintained
- Supporting Tactical Operations
- POL/Chemical Spill Materials
- Compliance Assistance
- Need Help? Call 798-9076



PPOC Programs

Latex Paint

- One of the largest waste streams on Ft. Campbell
- Obtain basic color paint at Troop Self Help, paid for with TSH funds
- Obtain specialty color paint at the PPOC, paid for with unit funds
- Purchase only what you need (1 Gallon = 250 sq. ft.)
- Bring leftover paint to the PPOC, or store appropriately



ANTIQU
WHITE

BEIGE

RED

GRAY

- Ft. Campbell "9 Basic Colors" @ TSH
- Custom Colors Available @ PPOC

LIGHT BASE
6139 8-J 6890
8-T

LIGHT BASE
6139 1Y-J 6723
2Y-K

ULTRA DEEP
104 2Y-A 6078
12Y28-B
8-V

LIGHT BASE
6139 1Y-E 7089
16-J

DARK
BROWN

MEDIUM
BROWN

INFANTRY
6139 BLUE

BLACK
3724

ULTRA DEEP
3724 3Y-E 6684
2Y-J
2Y16-M

DEEP BASE
6138 4Y-K 6730

LIGHT BASE
6139 2Y18-C
1-P
1Y16-V

WHITE
6135

PPOC Programs

Antifreeze Recycling

Eliminate Disposal of Used Antifreeze:



- Collection
- Assessment
- Storage
- Control
- Recycle
- Distribute

**Cradle to Grave
Management**

= Acquisition/Waste Avoidance

PPOC Programs

Disposal of Used Rags & Absorbents

- Contaminated with Oil, Used Oil, or Fuel, Recyclable Fuel
- Does not apply to “Spill” clean up items or “Hazardous Waste”
- **Definitions:**
 - **Absorbents:** Materials used to soak up free liquids, Examples are Peat, Pads, Booms (Not Rags)
 - **Free-Liquids:** Liquids which readily separate from the solid portion of the waste.
 - **Recyclable Fuel:** Petroleum based items with a flash point \leq 100 degrees F. Example are MOGAS, JP-4 and Coleman Fuel

PPOC Programs

Disposal of Used Rags & Absorbents

- **Definitions:**
 - **Oil/Used Oil:** Petroleum based items with a flash point \geq 100 degrees F. Example are Motor Oil, JP-8 and Kerosene
 - **Hazardous Waste:** Materials listed by EPA or exhibit characteristics of corrosivity, ignitability, reactivity or Toxicity. Refer to Tab 11 Examples are CARC Paint, Acetone, or Acids
 - **POL:** Petroleum, Oil, and Lubricants. Includes Oil/Used Oil, Fuel/Recyclable Fuel as defined in this guidance.
 - **Rags:** Cloth Material used for clean up.

PPOC Programs

Disposal of Used Rags & Absorbents

- **Instruction:**

- **Who's Responsible?:** The generator is responsible for storing, labeling, documentation, and turn-in.
- **Hazardous Waste Determination:** Not sure? Contact Environmental Division for assistance. 798-9786/9763
- **POL Soiled Rags & Absorbent Disposal:** Must be Bagged, Labeled and transported to PPOC by generator. Quantities ≤ 5 pounds can be placed in "Return Lockers". Lightly soiled paper towels, rags, or absorbent pads can be placed in dumpsters but can't contain 'Free-Liquids'.

PPOC Programs

Disposal of Used Rags & Absorbents

- **Instruction:**
 - **Storage:** Metal container with lid and properly labeled. (Used POL Rags or Used POL Absorbents & Unit Info.
 - **Laundering of Rags:** Deliver container to Post Laundry. Call 431-5163 for additional information.
- **Additional Guidance:**
 - **Contact:** Hazardous Material Program Manager 798-9771

PPOC Programs

HazWaste/Used POL Management



- Collection
- Assessment
- Storage
- Control
- Quality Assurance
- Arrange Transport
- Pick-Up 798-9790

Cradle to Grave Management = *Recyclable Product*

Pollution Prevention Operations Center

POC's:

- HAZMAT PM - 798-9771
- PPOC Manager - 798-9780
- PPOC Services - 798-1157
- PPOC Support - 798-9076
- Waste Operations / Disposal - 798-9790

Information:

- Located at 2nd Street & Wickham Avenue
- Operating Hours - 0700 - 1600