

Hazardous Substance Management System (HSMS)



Randy Doyle

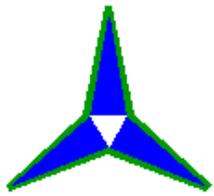
Environmental Protection Specialist

Pollution Prevention

287-1099

Doyler@hood-emh3.army.mil

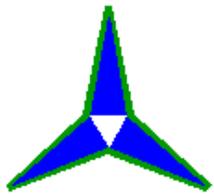
DPW Environmental



REASONS FOR IMPLEMENTING HSMS



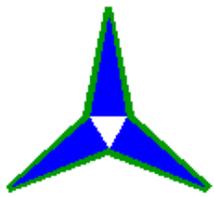
- Executive Order 12856
- Federal Regulations
- Army Policy



EXECUTIVE ORDER 12856



**Requires all federal agencies to comply with the
Emergency Planning and Community Right-to-Know
Laws and the Pollution Prevention Act.**

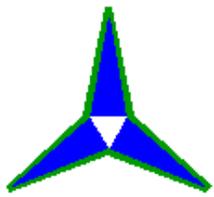


FEDERAL REGULATIONS



EMERGENCY PLANNING AND COMMUNITY RIGHT-TO-KNOW ACT (EPCRA)

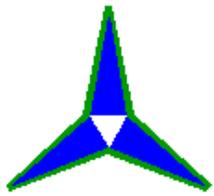
- ❑ **Section 301-303 - Emergency Planning Notification**
 - ◆ State Emergency Planning Commission
 - ◆ EHS > TPQ
 - ◆ Facility Coordinator
- ❑ **Section 304 - Emergency Release Notification**
- ❑ **Section 311 - MSDS Submission**
- ❑ **Section 312 - Tier I or Tier II Reports**
- ❑ **Section 313 - TRI Report**



ARMY POLICY



- **Control and Manage the Use of HM**
 - ◆ **Directed By DA**
 - ◆ **Critical Element of the Army Pollution Prevention Program**
 - ◆ **Important in Reducing Costs and Protecting the Environment**
- **Implement Pharmacy-Type Control of HM**
 - ◆ **Centralized HM Order, Issue, Storage, and Disposal**
 - ◆ **Distribution of HM to Authorized Users in Quantities Limited to Immediate Operational Needs**
 - ◆ **Tracking HM Throughout Life Cycle at Facility**
 - ◆ **Collection and Reissue of Unused and Serviceable Hazardous Materials on a Free-Issue Basis**

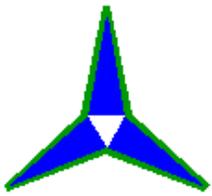


WHAT IS HMMP ?



□ Hazardous Material Management Program (HMMP)

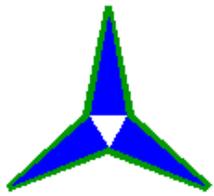
- ◆ Joint effort of the Post environmental community to minimize pollution by implementing Best Management Practices with the goals of reducing hazardous material requisition and hazardous waste generation through improved control and reporting procedures.
- ◆ Team effort for both military and civilian organizations



HMMP BUSINESS PRACTICE INITIATIVES



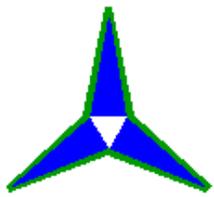
- Centralized Hazardous Material Management**
- Authorized User/Use List**
- Hazardous Material Tracking System**
- Order/Issue by Unit of Use**
- Re-Use of Materials**
- Inventory Levels at User/Operator Level**
- Centralized Storage/Issue of HM**
- Training and Awareness Program**



WHAT IS HSMS ?



- **Hazardous Substance Management System (HSMS)**
 - ◆ **Software Program to Support HMMP**
 - ◆ **Automated Tracking of HazMat from “Cradle to Grave”**
 - ◆ **Environmental Report Generation**
- **DA’s Authorized Hazardous Substance Tracking System**

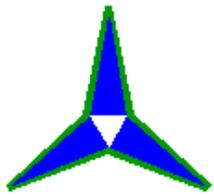


BENEFITS OF HSMS



□ HSMS And Appropriate Business Practices Support Requirements For:

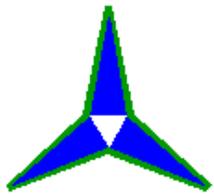
- ◆ Managing HM and HW from Cradle-to-Grave
- ◆ Hazardous Waste, Pollution Prevention, Safety, Health, and Environmental Reporting
- ◆ Identifying Pollution Prevention Opportunities
- ◆ Controlling the Use of Hazardous Materials
- ◆ Providing Data Needed to Safely Handle, Transport, Use HM
- ◆ Reducing Resources Needed to Manage, Monitor, Control HM/HW
- ◆ Identifying Personnel Exposure to HM and HW



TYPICAL ISSUES WITH HSMS



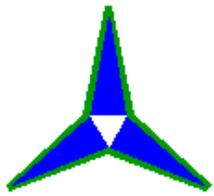
- ❑ **Locating/Obtaining suitable facilities**
- ❑ **Funding to bring facilities into compliance**
- ❑ **Personnel Requirements & Options**
 - ◆ **Govt personnel vs.. hiring contractors**
 - Scope of Work for contracted HazMart personnel
 - ◆ **ORISE Interns**
- ❑ **Funding issues for out years**
- ❑ **Telecommunications Infrastructure**
- ❑ **Computer Requirements/upgrades**



HSMS User Responsibilities



- Enter all required HAZMAT data into HSMS version 2.3 via HSMS/SARSS Interface and manual data entry**
- Provide HAZMAT data to support environmental reporting requirements**

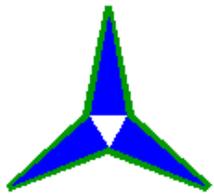


WHAT IS IHMMCG ?



□ Installation Hazardous Material Management Control Group (IHMMCG)

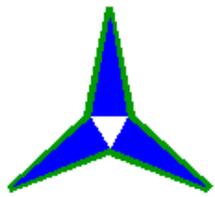
- ◆ First meeting held Oct 1997
- ◆ Senior level garrison personnel
 - DPW, DOL, Safety, Fire Dept, Industrial Hygiene, DOC, and DRM
- ◆ MSC/Tenant Env Coord and Supply Chiefs
 - 13th COSCOM, 1 CAV, 4ID, etc.
- ◆ Overseas the HSMS/HazMat implementation process



WHAT IS THE HazMart?



- Sometimes referred to as “Pharmacy”
- Single Point of Accountability for:
 - ◆ Requisitioning
 - ◆ Receipt
 - ◆ Distribution
 - ◆ Storage
 - ◆ Reuse of Excess



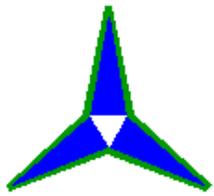
WHAT IS THE HazMart? (Cont.)



- ❑ **Acquisition and Disposal Avoidance**
 - ◆ **Streamline hazardous material management through comprehensive Shelf-Life Management Program**

- ❑ **Customer service oriented**

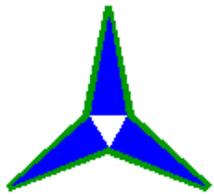
- ❑ **The place everyone should obtain HazMat**



WHAT'S THE DRIVING REQUIREMENTS



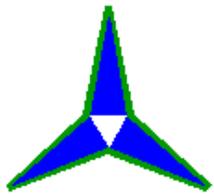
- ❑ **Fort Hood needs to gain control of HazMat**
- ❑ **III (P)**
 - ◆ **Reduce excess on post**
 - ◆ **Prevent maximum # expired shelf-life items equals less \$ spent**
- ❑ **Non-III (P)**
 - ◆ **Environmental reporting requirements**
 - ◆ **NOV's**



HazMart Customer Benefits



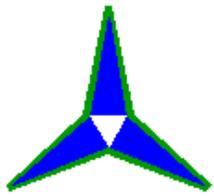
- Reduced Inventories at the Unit Level**
- Safer Work Environment for HazMat Users**
- Reduced Exposure for Compliance Violations**
- \$ Savings through Free Issue of Excess**
- Improved Readiness Posture**
- Better Customer Service**



HazMat CONTROL PROCEDURES



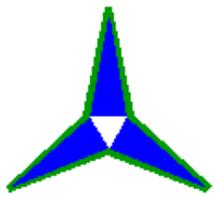
- HazMat/Packaged POL will be tracked via barcode
- New product charged back to unit through normal supply billing process
- Credit card purchases processed through appropriate HazMart



HazMat CONTROL PROCEDURES



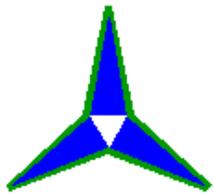
- ❑ **Commanders/Supervisors must buy in and support Bench Stock/Credit Card restrictions**
- ❑ **Excess HazMat issued at every opportunity**
 - ◆ **Unit Relocation/Deactivation**
 - ◆ **All Units Play**
- ❑ **HazMat Custodian responsible for coordination to increase/decrease stocks on shelves based on FH Reg 703-2**



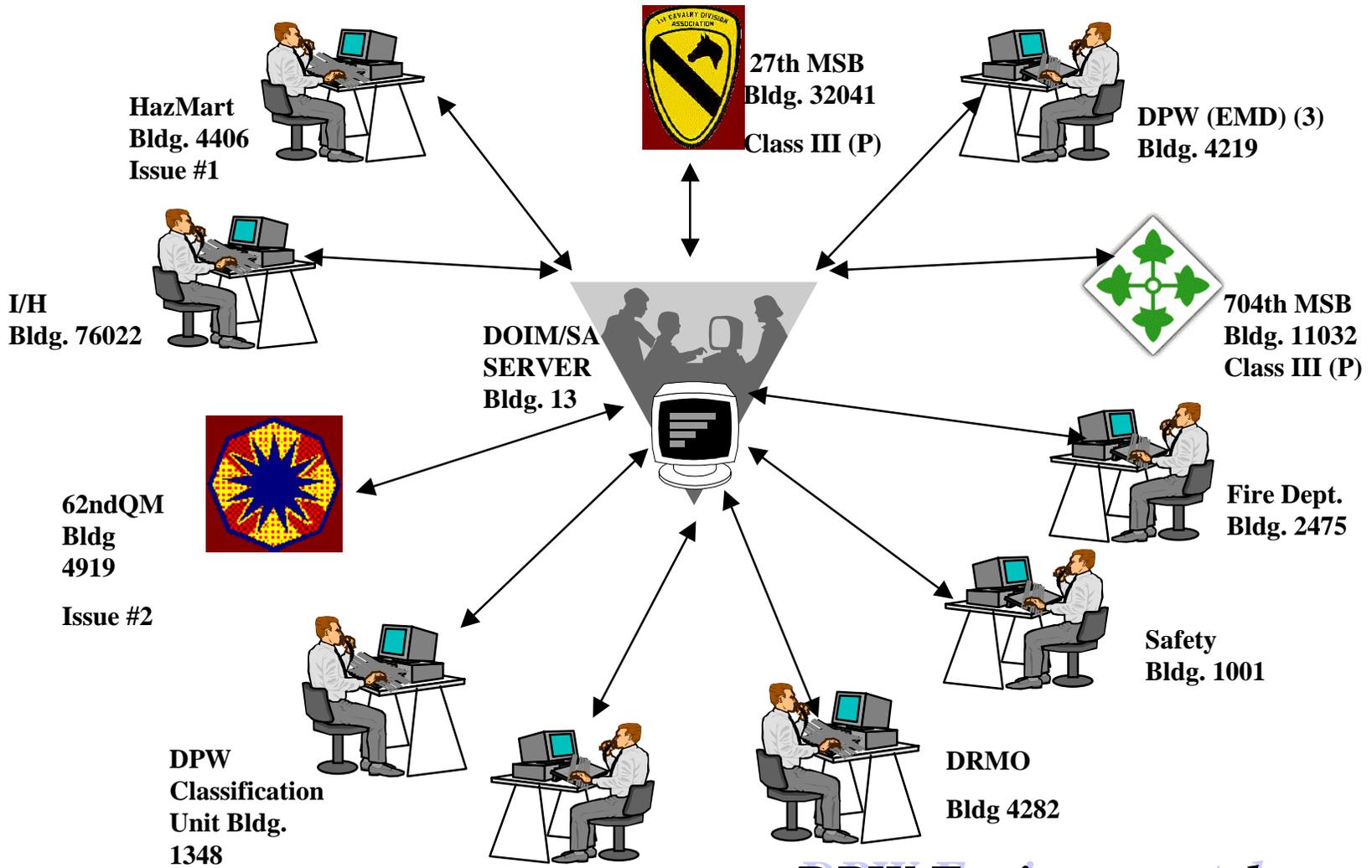
HSMS/HAZMART POA&M



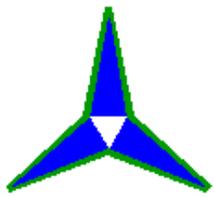
- ❑ **Field HSMS Software with concurrent phased implementation of the ‘HAZMART’ distribution center concept beginning 2QFY98**
- ❑ **Attain Initial Operational Capability by 1QFY99**
 - ◆ **DPW, DOL, 13th COSCOM, DynCorp Aviation**
- ❑ **Implement HSMS/HAZMART by Battalion or Battalion-size units by end of FY99**
 - ◆ **Tenant organizations**
 - ◆ **1st CAV by end of FY00**
 - ◆ **4th ID**



FORT HOOD HSMS INITIAL OPERATING CAPABILITY



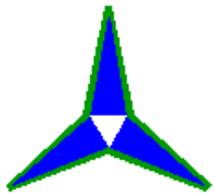
DPW Environmental



HSMS/HAZMART POA&M



- **Attain Full Operational Capability (FOC) by beginning of FY01**
- **FOC will be complete post-wide implementation with a total of five distribution points**
 - ◆ **POL Only**
 - 704th - 4th ID
 - 27th MSB - 1ST CAV
 - ◆ **Hazardous Materials**
 - DPW HazMart - Bldg 4406
 - 62 QM Co - 13 COSCOM
 - DynCorps - Contractor



Environmental Support Provided



- ❑ **3 - 40' HazMat Storage Buildings - \$91k**
- ❑ **LAN/Phone Connectivity -**
- ❑ **Upgrade Bldg 4919 Design Costs - \$30 k**
- ❑ **Upgrade Bldg 4919 - \$230k**
- ❑ **Initial User Training**
- ❑ **User Sustainment Training**
- ❑ **Partnership**