



# FORT BENNING

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## Environmental Management System (EMS) Training

*January 2014*

# How will the Environmental Management System affect you?

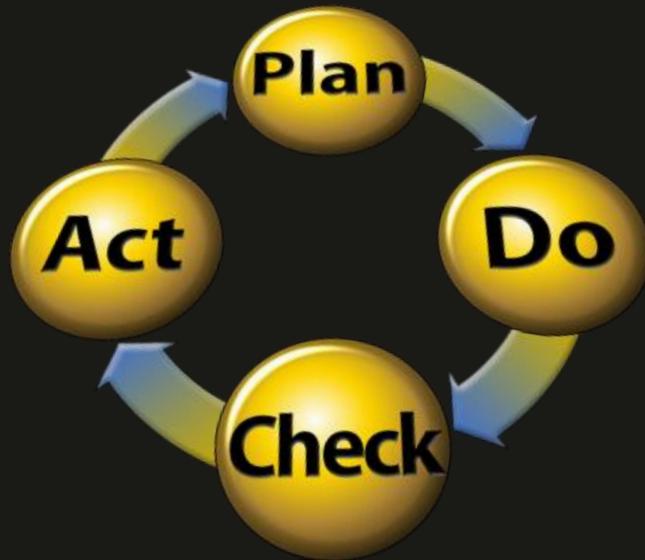
After this training you will be expected to...:

- Know Ft Benning's significant environmental aspects and potential impacts of your work
- Understand the benefits of improved personal performance
- Be aware of Ft. Benning's EMS objectives and targets
- Be familiar with the EMS policy and procedures



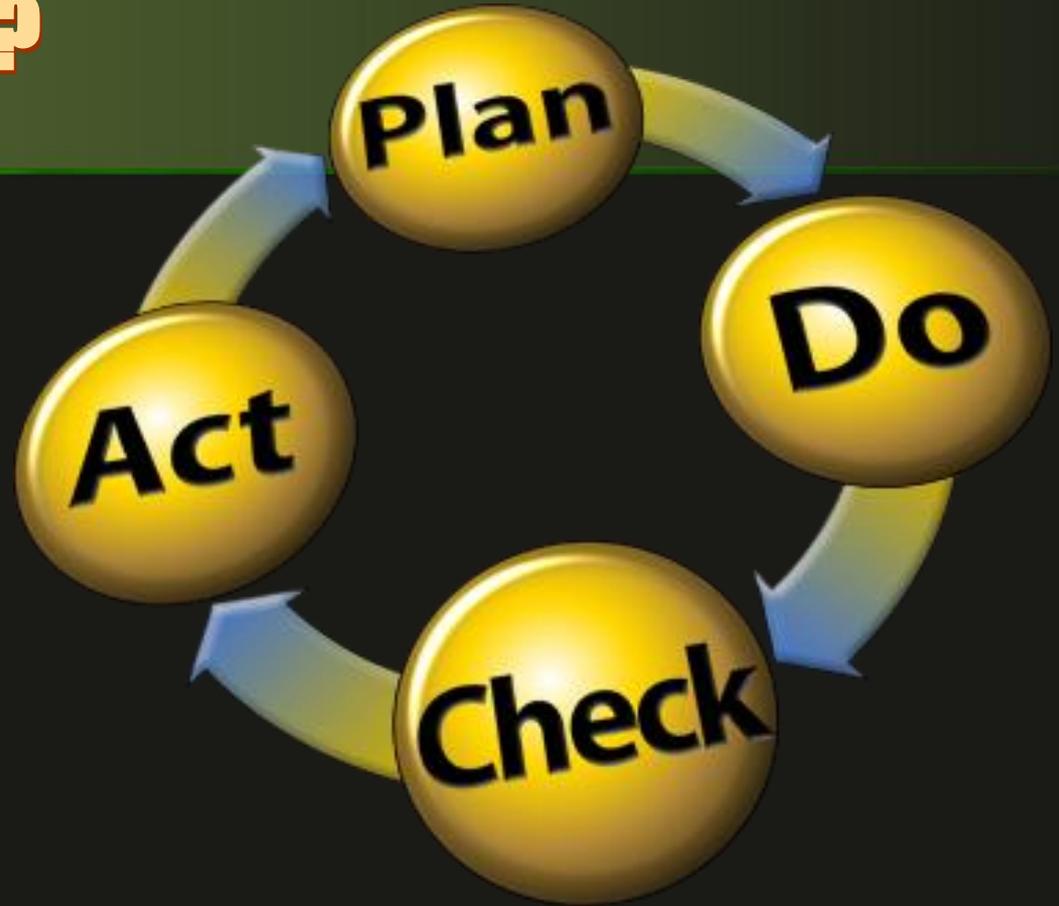


# Environmental Management System EMS Fundamentals



# What is an Environmental Management System (EMS)?

- EMS is a system for planning and achieving responsible environmental management.
- EMS is based on a continuous cycle of improvement.



# What is an EMS?

## EMS Components:

- Plan - assessing operations and management and their impacts on resources.
- Do - integrate ESM policy and procedures throughout the system through document control, awareness training, structure, and responsibility.
- Check - ensuring the environmental programs are ‘self-correcting’.
- Act - committing to compliance, pollution preventing, and continual improvement of the environmental program.



# Why are we doing this? EMS Regulatory Drivers



## Executive Order

- Federal facilities must have a fully implemented EMS
- The EMS shall include measurable goals, objectives, and targets that are reviewed and updated annually
- Once established, EMS performance measures shall be incorporated in agency facility audit protocol



# Why are we doing this? EMS Regulatory Drivers



## US Army Policy

- **Adopt ISO 14001 as the EMS goal**
  - A formalized series of voluntary international standards
  - Only standard to which a facility can register
  - Modeled after ISO 9000, widely recognized worldwide



# Individual Conformance



## Why is it important for you to conform to the EMS and specified operating procedures?

- Negligence can lead to increased waste, accidents, spills, injuries, and potential fines, all of which impact the success of the Fort Benning mission.



# Benefits of EMS

- Improves support and sustainability of mission activities
- Improved environmental performance
- Reduced costs
- Improved compliance (proactive vs. reactive)
- Improved process efficiency
- Fewer overlaps and gaps between programs
- Maximize use of existing capabilities



# Ft Benning's Aspects & Impacts

## What are Aspects & Impacts?

- **Aspect:** Elements of Fort Benning's activities, products, and services which can interact with the environment.
  - Example: Hazardous Waste release to surface water
- **Impact:** Any change to the environment, whether adverse or beneficial, wholly or partially resulting from our organization's activities, products, or services.
  - Example: Degradation of water quality



# Ft. Benning's Significant Impacts

- Operational Noise & Aviation Noise
  - Military Range Training, Compartment Field Exercises, Flight Rules and Fly Friendly Program
- Recycling
  - Meeting Fort Benning recycling needs and requirements
- Watershed
  - Keeping our streams free of contaminants
- EMS – Advance the program
- Transportation
  - Encourage alternative transportation
  - Car pool, Energy Efficient Cars, Walking, Biking, etc.



# Example Objectives, Targets, and EMPs

- **Establish objectives and targets based on prioritized aspects**
  - Example Objective: Reduce solid waste disposal
  - Example Target: Divert 40% of solid waste from landfills
- **Environmental Management Programs (EMPs) to achieve the objectives and targets needs YOU to:**



# Operational Noise : Objective and Targets



- Objective
  - Reduce Noise from Military Training
  - Decrease Noise complaints .
- Targets:
  - Meaningful training with education outreach activities and maintain the civilian “Smoke and Sound” website with meaningful information of Operational Noise events .



# Water: Objective and Targets

- **Objective:**

- Decrease impacts to surface water quality.

- **Targets:**

- Reduction in number of Sanitary Sewer overflows (SSOs).

- Water quality training.



# Water: EMP for Water Quality Training

- **Problem:**

- Surface water quality is negatively impacted by work at construction and industrial areas.

- **Goals:**

- Research and develop the most efficient ways to train the construction and industrial workers on water quality issues.
- **Instill BMP** in impacted areas.



# Air: Objectives and Targets

- **Objective 1:**
  - Reduce particulate matter (PM) impacts from vehicles.
- **Targets:**
  - Promote the use of alternative fuels, car pooling, alternative transportation.
- **Objective 2:**
  - Reduce heating emissions .
- **Target:**
  - Replace older non-efficient heating units with modern units.



# Air: EMP for Alternative Fuels

- **Problem:**

- Encouraging the use of alternative fuels.

- **Goals:**

- Educate the public to promote the use of the alternative Transportation.
- Ensure car parking for energy efficient cars.



# Air: EMP for Prescribed Burning

- **Problem:**

- PM regulatory burden is increasing, yet prescribed burning is needed.

- **Goals:**

- Work with regulators to decrease and manage the regulatory burden by having a Smoke Management Plan.
- BMP for prescribed cycle burning.



# Air: EMP for Reducing VOCs

- **Problem:**

- VOC emissions from painting operations.

- **Goals:**

- Low VOCs painting options are available but are not usable until the AEC approves their use for all weapons systems at Ft. Benning.



# EMS Management Team Roles and Responsibilities



## Team Member

## Primary Responsibility

**Garrison Commander**



**Appoints EMS Management Representative and CFT, Signs the Environmental Policy, provides oversight and guidance, and conducts annual Management Review**

**Environmental Quality Control Council (EQCC)/EMS Cross Functional Team (CFT)**

**Represent all installation functional areas, review EMS status and provide guidance, and participate in Annual Management Review**

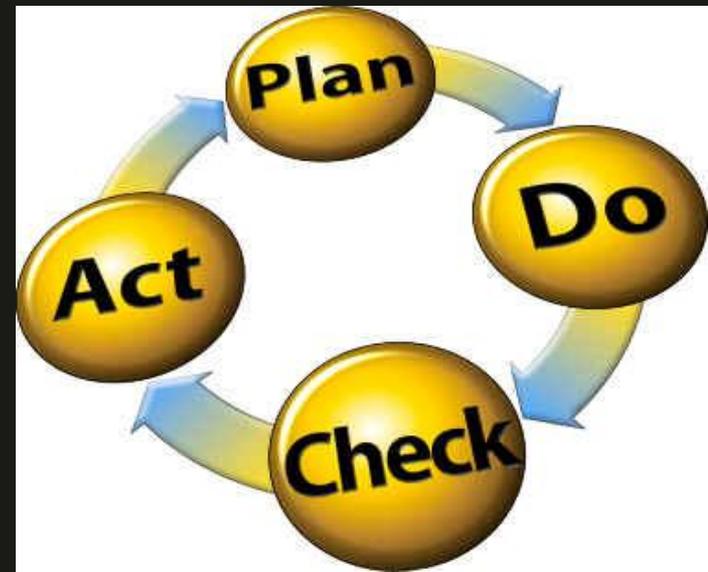
**EMS Management Representative and EMS Program Manager**

**Handle day-to-day operations of EMS and lead the CFT**



# What to know about EMS

1. Understand EMS
2. Be familiar with the Ft. Benning's environmental policy and procedures
3. Understand Ft Benning's environmental aspects and the potential impacts of YOUR work





# • EMS POLICY



REPLY TO  
ATTENTION OF

IMBE-PWE-P

DEPARTMENT OF THE ARMY  
US ARMY INSTALLATION MANAGEMENT COMMAND  
ATLANTIC REGION  
HEADQUARTERS, UNITED STATES ARMY GARRISON  
1 PARKER STREET, BUILDING 4, SUITE 6800  
FORT BENNING, GEORGIA 31906-4500

AUG 12 2013

MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Environmental Management System Policy

1. Fort Benning and the Maneuver Center of Excellence provide trained, agile, adaptive and ready Soldiers and leaders for an Army at war, while developing future requirements for the individual Soldier and the Maneuver Force, and providing a world-class quality of life for our Soldiers and their Families.
2. In order to execute the mission and achieve our environmental goals, Fort Benning implements programs that ensure environmental compliance, pollution prevention and, sustain natural and cultural resources that promote continuous improvement using an Environmental Management System (EMS) focus. The EMS complies with all applicable environmental policies, laws and regulations.
3. Fort Benning will continually assess its Directorate activities, missions, and services to determine their environmental impact. The EMS will identify significant environmental impacts and ensure they are considered when establishing objectives and targets in our environmental management programs. Fort Benning will meet or exceed Army goals to prevent pollution and comply with policies that sustain the environment. The Fort Benning EMS will actively seek opportunities to continuously improve our environmental management system.
4. The point of contact for this action is Mr. Ellis Leader, (706) 545-2400, FAX (706) 545-4209.

Michail S. Huerter  
COL, IN  
Garrison Commander

DISTRIBUTION:  
Electronic Admin "L"

**No One Gets Hurt Today**

**SAFETY FIRST**



# Your EMS Training is Complete

Thank you for making Ft. Benning an environmental leader!

