72d Air Base Wing

Agile Base and Worldwide Support

TINKER AFB ENVIRONMENTAL MANAGEMENT SYSTEM (EMS) GENERAL AWARENESS TRAINING FOR CONTRACTORS

What is Environmental Management System (EMS)?

- EMS is a systematic approach to managing an organization's environmental concerns.
- EMS works in concert to continually improve mission and environmental performance while minimizing our impact on the environment.
- EMS allows senior leaders to determine and focus on highest priorities to sustain or enhance the mission
- EMS integrates natural support structure (air, land, water) with daily activities at all levels
- EMS melds existing environmental programs in single framework

Tinker AFB EMS

Nothing Is New….. EMS Just Links it All Together

Our Environmental Policy

Protecting the environment at Tinker AFB is a high priority and a major factor in decision-making. We are dedicated to continued improvement of our processes to prevent and reduce waste generation. We will maintain compliance with environmental laws at all times while we strive to reduce pollution at the source of generation. In all of our activities, we will seek to:

- **Maintain an effective Environmental Management System (EMS) by promoting the use of safe technologies and operational practices**
- **Provide rapid response to spills and other environmental emergencies, in order to enhance environmental stewardship and minimize adverse impacts to our stakeholders**
- **Set goals, measure progress, take corrective action when necessary to address noncompliance situations and remediate past activities environmental damage**
- **Effectively communicate all applicable environmental information to all base workers, regulators, and the public**

Our Environmental Policy
(continued)

- Establish and implement and effective pollution prevention program to minimize the generation of waste; recycle materials when possible and dispose of all remaining waste in an environmentally responsible manner

- Ensure responsible use of energy throughout the installation; including the adoption of innovative practices and procedures to improve energy efficiency

- Balance development of built and natural land areas to ensure a quality environment which fully supports and sustains military readiness while meeting environmental conservation mandates

Our environmental commitment requires that we work to continuously improve the effectiveness of our environmental stewardship by regularly monitoring our performance and educating our employees to be environmentally responsible.

TAFB Environmental Scope

- Base covers 5,604 acres
- 427 Facilities
  - 12.5 million sq. ft. industrial operations
- 3 Creek Systems
- 1,893 Air Emission Sources
- 35 Underground Storage Tanks
- 230 Aboveground Storage Tanks
- 11 miles of Industrial Wastewater Lines
- 1 Wastewater Treatment Facility (IWTP) - 1.5 million gallons per day
- 1 Groundwater Treatment Facility (SW part of base) 65,000 gallons per day
- 61 Restoration Sites

Broad Range of Activities

- Boilers
- Surface coating
- De-painting
- Degreasers
- Solvent cleaning
- Tanks
- Hand wipe
- Refrigerants
- Ground maintenance of aircraft
- Maintenance of buildings and equipment
- Paint application
- Blasting media
- Paint removal and stripping
- Electroplating operations
- Aircraft surface preparation work

Selected Activities That Impact Environment

Agile Base and Worldwide Support

Tinker AFB Environmental Aspects

Tinker AFB Environmental Programs with Risks and Costs

- *Air Quality
- *Hazardous Waste
- Storm Water
- *Solid Waste
- Waste Water
- Fuels; Tanks; Petroleum, Oils, & Lubricants
- Hazardous Materials
- Natural Resources
- Cultural Resources
- Recycling
- Environmental Impact Analysis Process
- Green Procurement
- Environmental Noise
- Toxic Material (Asbestos, Polychlorinated Biphenyl [PCB])

Tinker AFB Significant Aspects in green; *Aspects with goals and reduction targets

Tinker AFB Significant Aspects

AIR QUALITY

- The Contractor shall be required to maintain dust control plan on: all open-bodied trucks and trailers (when transporting in general public areas) by covering or wetting, on all work sites (e.g. excavations, stockpiles, embankments, haul roads, plant sites, borrow areas, and waste areas) within and around the project boundaries.

- Approved temporary methods of dust control stabilization consisting of sprinkling chemical treatment, light bituminous treatment or similar methods shall be permitted.

- Form 487 Maintenance Log shall be completed for every runtime occurrence of a generator(s) already placed and secured at the location where it is intended to be operated. Once the generator is installed and ensured of proper operation the contractor shall turn off the unit for the remainder of the contract period until the government take possession of the unit.

- Contractor shall submit a record of the amount of refrigerant installed with the contracted equipment or recovered from equipment contracted for demolition into government furnished containers. In the case of commissioning new or retrofitted equipment, the Contractor shall provide the refrigerant amount determined to be the “Full Charge” as defined in 40 CFR 82.152. Provide information concerning refrigerant losses to the atmosphere, including that associated with warranty work.

- It's unlawful to intentionally release refrigerants into the atmosphere.

Tinker AFB Significant Aspects

HAZARDOUS WASTE

- Environmental Management Division 72 ABW/CEIEC is the designated authority to manage Hazardous Waste (HW) on TAFB.
- For disposition of unused hazardous material contact the Hazardous Waste Management Facility (HWMF) for disposal guidance.
- Only serialized containers from HWMF are to be used to store HW. Containers must be in good condition; no large dents, creases, or severe rust; and must be kept closed except when adding HW
- Universal Wastes (UW) are specific HW streams and should be managed similar to HW. Examples are fluorescent lamps and batteries.
- Small alkaline batteries (i.e. AA, AAA, C, D, 9-volt) are not regulated as HW, therefore can be disposed of as non-hazardous solid waste.

DO NOT throw HW into the trash bin!

ALL base personnel are responsible for HW compliance and are subject to civil action and criminal prosecution by Federal, State and Local Authorities for violation of any HW law or regulation.

Which batteries can go in the trash??

A

B

C

A and C are examples of Alkaline batteries that can be thrown in the trash B. Are NiCad batteries and must be managed as Universal Waste

Tinker AFB Significant Aspects

STORM WATER

- All contaminants discharging to storm, sanitary, and industrial sewers must be permitted
- Authorization must be obtained through the Environmental Management Office for contaminated discharges generated from construction, industrial, or municipal activities prior to discharging
- Storm Water Pollution Prevention Plan must be developed to identify the contaminants associated with the activity and best management practices to be implemented
- Best management practices are controls used to help eliminate and/or minimize discharge of pollutants
- Unpermitted discharges may carry a penalty of up to 1 year imprisonment and a fine of $50,000 per day

Your Role & Responsibility

- Know what activities of YOUR WORK have an impact on the environment

- Control or minimize those impacts by
  - Understanding best management practices
  - Following procedures/ instructions

Environmental Stewardship

Is…….

EVERYBODY'S JOB

Environmental Management

Environmental Program Managers
&
Unit Environmental Coordinators

Can Help You Understand Your Impacts on the Environment

EM Program Managers Points of Contact

EMS COORDINATOR	72 ABW/CEIEC	734-4586
AIR		
Title V/ODS/Permitting/ Chromium NESHAP	72 ABW/CEIE	734-4548
Aerospace NESHAP/ AEI/Modeling	72 ABW/CEIE	734-4560
Halogenated/NESHAP/ CEMS/VE	72 ABW/CEIE	734-4663
HAZARDOUS MATERIALS	72 ABW/CEIE	734-3597
HAZARDOUS WASTE	72 ABW/CEIEC	734-3278
SOLID WASTE	72 ABW/CEIEC	734-3277
STORM WATER	72 ABW/CEIEC	734-1228
WASTE WATER	72 ABW/CEIEC	734-1228
WATER QUALITY	72 ABW/CEIEC	734-1228
POL/STORAGE TANKS	72 ABW/CEIEC	734-4566

EM Program Managers Points of Contact (continued)

PCB'S	72 ABW/CEIEC	734-4546
ASBESTOS LEAD–BASED PAINT	72 ABW/CEIE	734-4557
ALT FUEL VEHICLES	72 ABW/CEN	734-4449
RESTORATION		734-4574
EM LAB/P2	72 ABW/CEIEA	736-5871
TOXIC RELEASE INV	72 ABW/CEIE	734-4560
EPCRA (Emergency Planning & Community Right-to-Know Act)	72 ABW/CEIE	734-4553
CULTURAL RESOURCES	72 ABW/CEIEC	739-4579
NATURAL RESOURCES	72 ABW/CEIEC 72 ABW/CEIEC	739-7074 739-7065
EIAP (Envr. Impact Analysis Process)	72 ABW/CEIEC	734-4579
COMMUNITY OUTREACH	72 ABW/CEIEC	736-3093

Summary

- EMS is a formal system for managing the environmental footprint of your organization
- Tinker AFB's environmental policy establishes top management commitment
- Know what aspects of your work have an Impact on the environment
- Control or minimize your impact on the environment
- Success comes from continual improvement!