



Fort Buchanan
Directorate of Public Works
Environmental Division

The Directorate of Public Works Environmental Division's goal is to fully establish Army Strategy for the Environment (Army Sustainability) and achieving optimum environmental controls in order to ensure healthier and safer environmental management standards that strengthen and sustains the US Army Garrison Fort Buchanan's mission of providing Soldiers, Civilians and their Families with a quality of life commensurate with the quality of their service.



U.S. ARMY GARRISON
FORT BUCHANAN

DIRECTORATE OF PUBLIC WORKS
ENVIRONMENTAL DIVISION
81 MILES LOOP
FORT BUCHANAN, PR 00934



Phone: 787-707-3575 / 3966 / 3522
Fax: 787-707-3570

Sustaining the Environment



Fort Buchanan

SEMS

Sustainability &
Environmental
Management
System

FOCUS ON...

SEMS PROGRAM AWARENESS



Sustaining the Environment, for a Secure Future.

What is an Environmental Management System (EMS)?

An Environmental Management System (EMS) is a system developed to prevent damage to the environment and to save natural resources for future generations. The EMS is mandated by US Army Regulation 200-1 and Executive Orders 13423 and 13514.

The goal of EMS is to fully establish the Army Strategy for the Environment (Army Sustainability) and achieve optimum environmental controls.



Fort Buchanan has integrated its EMS Installation-wide activities, with sustainability initiatives and has chosen to refer to the ISO 14001:2004 conformant, Environmental Management System (EMS), as the "Sustainability and Environmental Management System" (SEMS). The scope of the SEMS applies to all civilian, military, contract, and dependent personnel working for or on behalf of the US Army Garrison Fort Buchanan Installation activities, facilities, and tenant organizations.

Fort Buchanan's SEMS Policy and Commitment

The US Army Garrison Fort Buchanan is committed to protect its natural, cultural and human resources, promoting pollution prevention thru the continual improvement of environmental management technologies, implementing energy and water efficient controls and complying with all applicable laws, regulations and Executive Orders.

SEMS Environmental Significant Aspects

The SEMS policy establishes the principles that provide the framework upon which Environmental stewardship objectives are based. The SEMS incorporates environmental aspects that the Installation can control and directly manage and those it can influence under action plans, as follows:

- Vehicular Consumption of Gasoline and Diesel Fuel
- Solid Waste Management and Recycling
- Energy Consumption
- Water Consumption
- Pesticide/Herbicide Usage
- Hazardous Material Management
- Hazardous Waste Management
- Endangered Species Habitat Management
- NEPA reviews/approvals (Real Property Management)
- Storage, Transfer, and/or Release of POL (Spills)



How does an Environmental Management System (EMS) work?

An EMS is a continual cycle of planning, implementing, reviewing and improving the processes and actions that an organization undertakes to meet its business and environmental goals.



Plan, Do, Check, Act

Most EMS are built on the "Plan, Do, Check, Act" model. This model leads to continual improvement based upon:

PLAN

Planning, includes identifying environmental aspects and establishing goals

DO

Implementing, includes training and operational controls

CHECK

Checking, includes monitoring and corrective actions

ACT

Reviewing, includes progress reviews and acting to make needed changes to the EMS.



The SEMS' structure of Fort Buchanan is composed of, and directly involves, the tenants, units, organizations and contractors through the appointment and designation of Environmental Compliance Officers (ECO's) by direct request of US Army Garrison Fort Buchanan Commanding Officer.

What are the benefits of having a Sustainability & Environmental Management System Program (SEMS)?

Because you are an essential part of the environment, an Environmental Management System is beneficial to you by:

Reducing costs, such as for electricity and water usage.

By inducing these savings, Fort Buchanan has more resources available to invest for renovation, expansion projects and maintaining facilities such as playgrounds, sport facilities, etc.

Risk identification and prevention outside of regulatory requirement.

The identification and prevention of risks contributes to a more secure daily life for you at home and at work.

Improving environmental awareness and stewardship.

An improved environmental awareness helps to keep our environment clean and to conserve natural resources, such as water and fuel. It is a critical component of allowing you and following generations to continue to live as you know it.

“SUSTAIN THE MISSION, SECURE THE FUTURE” ...the Army strategy for the environment.

The Fort Buchanan Sustainability & Environmental Management System (SEMS) Program was established to implement reduction of waste streams by pollution prevention efforts, reuse of materials and by engaging our community to cooperate with sustainable initiatives and strategies.

Sustainability is the intelligent use of our resources, (natural and technological), to meet our communities' needs today, as well as and in the future. The US Army has recognized that a healthy, functioning community relies on a healthy environment.

We play an important role in building a sustainable future.

To sustain our mission, we must strive to become system thinkers if we are to benefit from the interrelationships of “the triple bottom line—plus”: Mission, Environment, Community, plus the economic benefits that sustainability provides by reducing costs and impacts, and accelerating innovation.



At home, school and at work, we can make changes that will help preserve our resources for future generations. Many individuals and entire communities have already begun. Find out how you can do your part.



Why establish an EMS?

The Fort Buchanan SEMS legal drivers are the US Army Regulation 200-1 and the Presidential Executive Orders 13423 and 13514. The SEMS integrates the goals and elements of the Army Sustainability Campaign Plan which is already conglomerate of several Army plans, including the Strategy for the Environment, Green Procurement, various Energy and Water Conservation Plans, as well as becoming aligned with the comprehensive Installation Management Campaign Plan.



The Army Strategy for the Environment

It establishes the long range vision for a Sustainable Army, and the goals upon which this vision is based, in order to:

Foster a sustainability ethic, Strengthen Army operations, Meet test, training, and mission requirements, Minimize impacts and total ownership costs, Enhance well-being and Drive innovation.

For additional information, visit the Directorate of Public Works Environmental Division at Fort Buchanan Internet Site;

<http://www.buchanan.army.mil/dpw/home.html>

If you have any questions regarding this program, please contact DPW Environmental Division at (787) 707-3575/ 3522.