



Environmental Management Systems

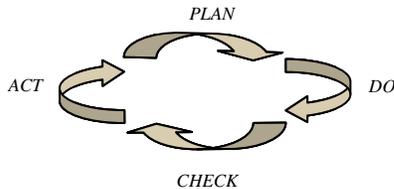
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What is an Environmental Management System (EMS)?

- An EMS is a framework that allows an organization to consistently address the effects that its operations or processes may have on the environment and to continually improve how its business practices interact with the environment.
- An EMS is a continual cycle of planning, implementing, reviewing and improving the processes and actions that an organization undertakes to meet its organizational and environmental goals.



- EMS, as employed by the Navy, uses 5 basic components & 17 elements:

Components	Elements
1. Policy	1. Environmental Policy
2. Planning	2. Environmental Aspects 3. Legal & Other Requirements 4. Environmental Objectives & Targets 5. Management Actions to Support Objectives & Targets
3. Implementation	6. Structure & Responsibility 7. Training, Awareness & Competence 8. Communication 9. EMS Documentation 10. Document Control 11. Operational Control 12. Emergency Preparedness & Response
4. Checking & Corrective Action	13. Monitoring & Measurement 14. Nonconformance, Noncompliance & Corrective & Preventive Action 15. Records 16. EMS Review
5. Management Review	17. Management Review

Navy Environmental Management System (EMS) Implementation Policy & Self-Declaration Protocol, 8 Mar 05

Executive Order 13148: "Greening the Government through Leadership in Environmental Management"

- Signed by President Bill Clinton April 21, 2000
- Implementation of EMS is mandated in EO 13148

Executive Order 13423: "Strengthening Federal Environmental, Energy, and Transportation Management"

- Reduce energy intensity at Federal buildings beginning in FY07 by 3% annually through FY15 or 30% FY15
- Use of renewable energy
- Reduce water consumption by 2% annually through FY15
- Acquisition of green products and services
- P2, including reduction or elimination of the use of toxic and hazardous chemicals and materials
- Cost effective waste intervention/recycling programs
- Increased diversion of solid waste
- Sustainable design/high performance buildings
- Vehicle fleet management, include use of alternative fuels and alternative fuel vehicles
- Electronics stewardship

Benefits of EMS:

- Enhance the Navy mission
- Reduce costs & liability
- Improve compliance, environmental performance, & public image
- Increase environmental awareness/stewardship
- Better documentation & document control

Important Definitions:

Environmental Aspect → Any activity or process of an organization's activities or mission that can interact with and impact the environment. Typical aspects include:

- Hazardous Waste Generation, Solid Waste Generation, Air Releases, Spills or Releases, Fuel Use



Environmental Impact → Any change (complete or partial) to the environment, whether adverse or beneficial, resulting from an organization's functional mission or activities. Typical impacts on Navy installations include:

- Soil Contamination, Surface & Groundwater Contamination, Personnel Exposure, Wildlife & Habitat Disturbance



Questions about EMS?

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