



ISO 14001 Environmental Management System Training



ISO14001



WHAT IS ISO 14001?

ISO 14001 is a world-wide environmental standard developed by the International Organization of Standardization, an international group that promotes uniform standards. It is designed to provide a consistent means of managing environmental impacts of business operations through an Environmental Management System (EMS). Pollution Prevention (P2) and continual improvement are at its core.





Definitions

- **ISO 14001** - A specification developed by the International Organization for Standardization that is accepted around the world and specifies the requirements of an ISO 14001 Environmental Management System.
- **Management Representative** - Division Newport's representative who manages the implementation and operation of the ISO 14001 Environmental Management System.
- **Environmental Management System** - The Environmental Management System includes organizational structure, planning activities, responsibilities, practices, procedures, processes and resources for developing, implementing, achieving, reviewing and maintaining the environmental policy.
- **Environmental Aspect** - An element of an organization's activities, products or services that can interact with the environment.
- **Significant Environmental Aspect** - An environmental aspect that has or can have a significant environmental impact.





Definitions (continued)

- **Environmental Impact** - Any change to the environment, whether adverse or beneficial, wholly or partially resulting from an organization's activities, products or services.
- **Environmental Objective** - Overall environmental goal, arising from the environmental policy, that an organization sets itself to achieve and which is quantified where practicable.
- **Environmental Target** - Detailed performance requirement, quantified where practicable, applicable to the organization or parts thereof, that arises from the environmental objectives and that needs to be set to meet in order to achieve those objectives.
- **Environmental Operational Controls** - The essential procedures an organization needs for implementing its policy, objectives and targets.





WHY CONDUCT TRAINING?

To be registered to the ISO 14001 standard, all employees, including contractors and those working on our behalf, at each relevant function and level of the organization must understand their roles and responsibilities and be aware of the importance of conforming to Division Newport's Environmental Policy and EMS.





Why ISO 14001

- It makes good business sense to integrate environmental management with our business processes.
- To demonstrate our commitment to the environment.
- To improve our environmental performance by managing the environmental impacts of our business operations.
- It gives us a competitive advantage by enabling us to reduce costs, be more competitive in the global market, and improve marketability with our customers.





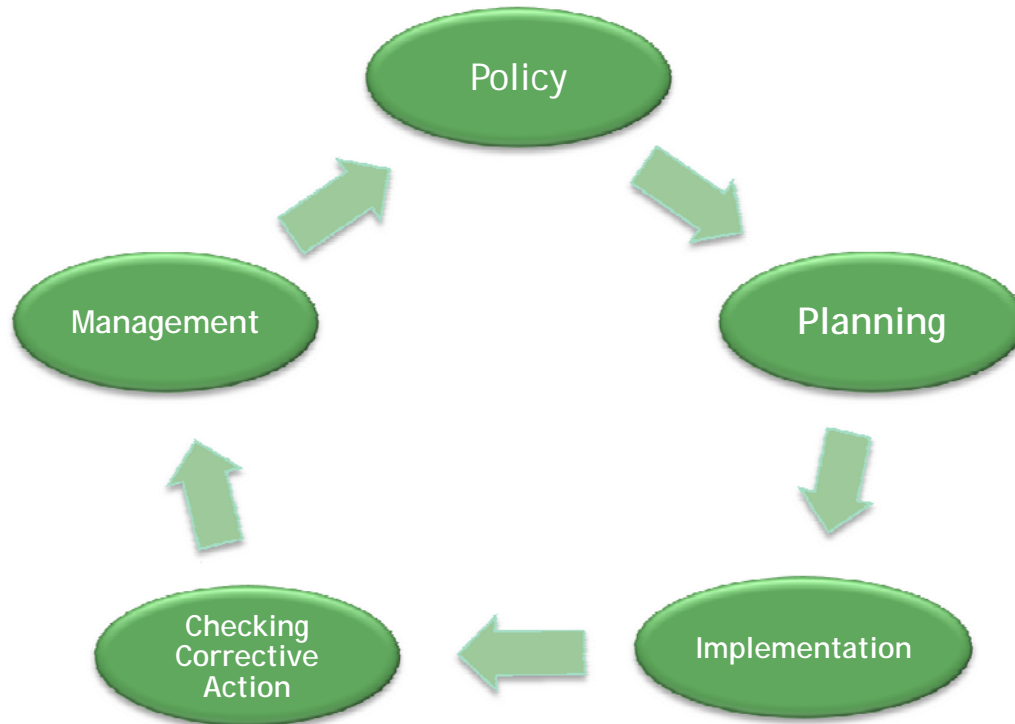
MAJOR ELEMENTS OF ISO14001 EMS

1. **Environmental Policy:** Division Newport defines its environmental policy and commitment to an environmental management system based on it. Division Newport also must commit itself to complying with applicable legislation and regulations.
2. **Planning:** Considers impacts, objectives and targets for Division Newport's EMS. Division Newport formulates a plan to fulfill its environmental policy. During this stage, Division Newport determines its environmental objectives and targets and establishes specific programs that will meet each goal.
3. **Implementation and Operation:** Describes the actual day-to-day use of Division Newport EMS. For effective implementation, Division Newport develops the capabilities to support mechanisms necessary to achieve its environmental policy, objectives and targets.
4. **Checking and Corrective Action:** Monitor and correct, when necessary, the operation of the EMS.
5. **Management Review:** Improve and refine the EMS.





ISO14001 EMS MODEL





ENVIRONMENTAL POLICY

ISO14001 requires an environmental policy be in existence within the organization, fully supported by senior management, which outlines the policies of the organization; not only to employees, but contractors working on their behalf. The policy needs to clarify compliance with legal and other requirements to which the organization subscribes and stress a commitment to continual improvement.

**Naval Undersea Warfare Center Division, Newport
Environmental Policy**

The Naval Undersea Warfare Center Division, Newport's ability to conduct its mission requires daily operation in the land, sea, and air environments. Protection of the environment is an integral part of its role in accomplishing its mission. All military and civilian employees, support contractors and those working for or on behalf of the organization must perform their duties in a manner which prevents pollution, protects the environment, and conserves natural resources.

The Naval Undersea Warfare Center Division, Newport is committed to environmental stewardship. We promote practices that will provide environmentally sound products to our customers and ensure we are prudent stewards of the environment.

Principles

We are committed to:

- Environmental protection and continual environmental process improvement.
- Early introduction of environmental protection and pollution prevention in the planning stages of new facilities and programs.
- Compliance with applicable federal, state, local, Department of Defense, and Navy regulations and policies, and other requirements for which the Division subscribes, supported by regularly scheduled internal assessments.
- Evaluation of the effectiveness of our environmental management system to ensure that established objectives and targets are met.
- Publication, implementation, and maintenance of our environmental policy and its communication to all employees, those working on its behalf and interested parties.

30 May 2007

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Technical Director

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Environmental Policy

The Environmental Policy is the organization's statement of its intentions and principles in relation to its overall environmental performance. Division Newport's Environmental Policy, established by the Commanding Officer and Division Technical Director, focuses on the following principles:

- Environmental protection and continual environmental process improvement.
- Early introduction of environmental protection and pollution prevention in the planning stages of new facilities and programs.
- Compliance with applicable federal, state, local, Department of Defense (DoD), and Navy regulations and policies, and other requirements for which the Division subscribes, supported by regularly scheduled internal assessments.
- Evaluation of the effectiveness of our Environmental Management System to ensure that established objectives and targets are met.
- Publication, implementation, and maintenance of our environmental policy and its communication to all employees, those working on its behalf, and interested parties.

All employees and contractors are required to be familiar with our environmental policy.





SIGNIFICANT ENVIRONMENTAL ASPECTS (SEA)

To comply with ISO 14001, an organization must first identify and then manage all significant environmental aspects (SEA) of its activities, products, or services. Once the processes that effect the environment are identified it can develop the objectives and targets and programs necessary to manage those effects and meet its own goals as well as other applicable rules and regulations.

Division Newport Level SEAs:

- Hazardous Waste Generation
- Non-RCRA Waste Generation
- Solid Waste Generation
- Energy Usage

Department Level SEAs:

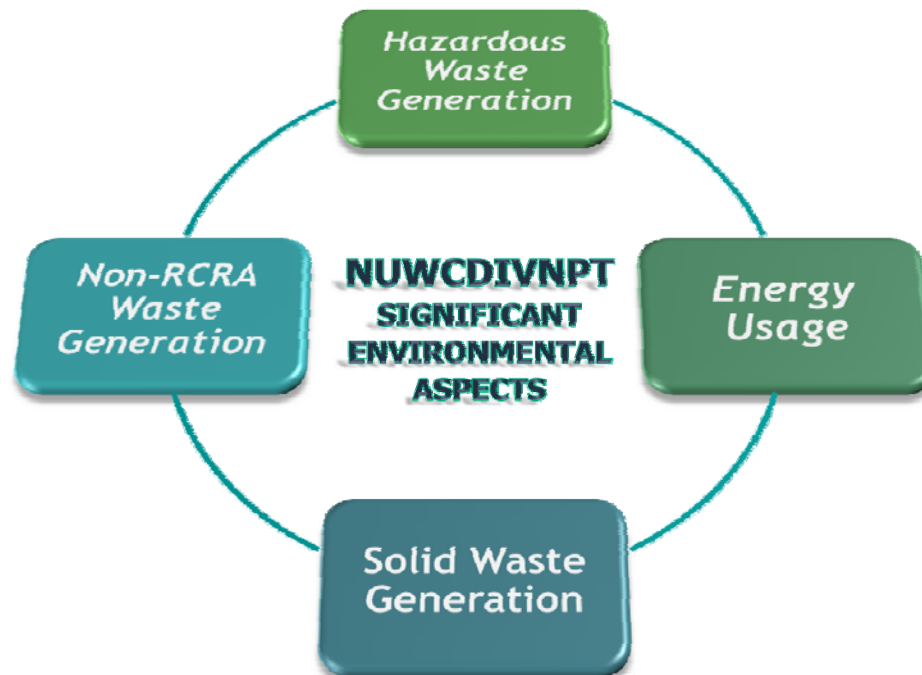
- Air Emissions (Code 81)
- Waste Water Generation (81)
- Active Underwater Acoustic Energy (Codes 15, 25, 70, 81 & 82)





SEA's (continued)

These significant environmental aspects are associated with many of Division Newport's activities, products, or services such as at-sea testing, development of transducers, towed arrays and other sensors, torpedo testing, and new acquisition, research and development programs.





EMPLOYEE* RESPONSIBILITIES

- Adhere to the EMS Manual and Procedures.
- Understand your involvement in achieving the objectives and targets associated with the significant environmental aspects that affect your work activities.
- Comply with applicable federal, state, local, Department of Defense (DoD), and Navy regulations and policies.
- Continually improve your processes toward a goal of protecting the environment and improving environmental performance.
- Introduce environmental protection and pollution prevention early in the planning stages of all new facilities and programs.
- Report problems or concerns to your supervisor.
- Accept accountability for environmental performance.

** Employee refers to employees, contractors & those working on our behalf.*





TAKE THE DIVISION NEWPORT CHALLENGE

To help you remember our Environmental Policy, the command wants you to:

*Take the
Division Newport...*

*Promotes
Environmental protection,
Prevention,
Compliance and
Improvement*



Challenge!

