

Relationship of
Environmental Management Systems
and
Integrated Safety Management

Steven R. Woodbury
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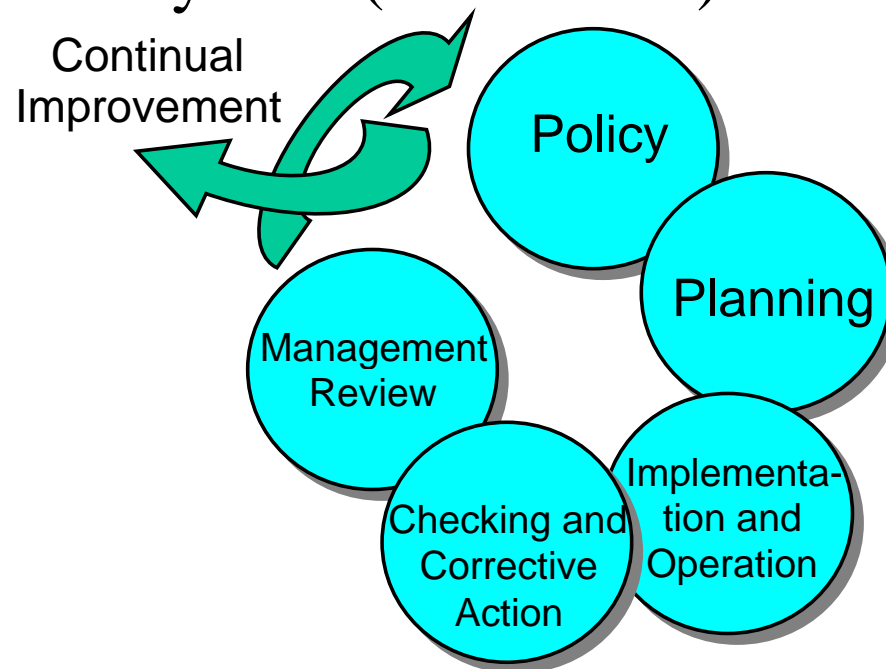
ISM Requirements

- ‘Protect the public, the worker and the environment’
- ISM is DOE’s ‘umbrella’ management system
- ISM provides an integrated management system for ES&H
- ‘Safety’ encompasses E, S, & H, including pollution prevention and waste minimization

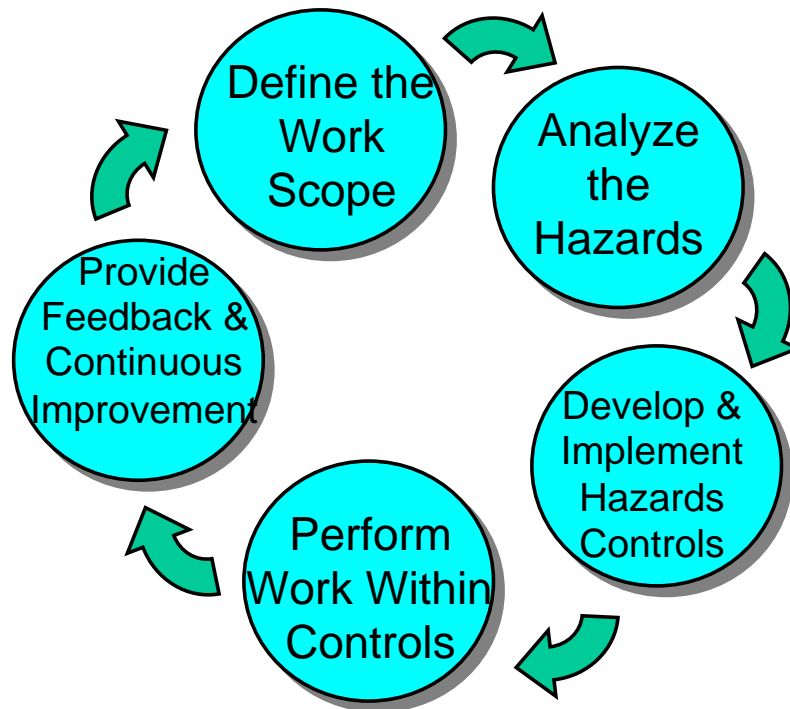
Executive Order 13148

- Requires DOE facilities to have an EMS
- EMS Based on
 - EPA's Code of Environmental Management Principles, or
 - Other appropriate EMS framework
- DOE-wide EMS self-assessment
- EMS Pilot Projects by 2002
- EMSs in place by 2005

Environmental Management System (ISO 14001)



ISM Core Functions



Environmental Management Systems at DOE Today

- All DOE sites have a basic management system framework in place
- Sites had differing levels of emphasis on E in initial ISM implementation
- Some sites have formal EMSs
- Some sites have room for additional 'continual improvement' before 2005

Environmental Management System Excellence at DOE

- Five DOE sites are third-party certified to the ISO 14001 EMS standard
- Five DOE sites are charter members of EPA's Environmental Achievement Track
- EMS 'pilot projects' at DOE already exist

DOE Order 450.1

- Under development by EH
- Also Manual 450.1 and Guide 450.1
- Will identify specific environmental requirements consistent with P 450.4 and E.O. 13148
- Plan to issue by the end of 2001

Summary

- E.O. 13148 requires EMS at our sites
- EMS to be implemented as part of ISMS
- EMS is compatible with ISMS
- N. 450.4 establishes responsibilities
- DOE Order 450.1 will identify specific requirements and expectations

For Further Information Contact:

Steven Woodbury, EH-41

202-586-4371

steven.woodbury@eh.doe.gov