



ISO 14001 Revisited: Updating your EMS

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Today's Agenda



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Today's Agenda



Organizational Benefits

ISO 14001:2015 Changes

Implementation Strategies

Questions



Organizational Benefits



The purpose of an EMS is environmental protection

ISO 14001 provides a framework to achieve environmental goals

When fully implemented an EMS will:

- Establish environmental policy
- Support processes, procedures and practices including training and recordkeeping
- Manage and control environmental activities or processes consistently
- Promote continual improvement



Organizational Benefits



Because an EMS requires an organization to consider and evaluate all environmental issues, key benefits of implementation include:

- Compliance
- Employee Engagement
- Achieving Goals
- Improved Efficiency
- Reduced Cost
- Stakeholder Confidence
- Expanded Influence



ISO Background



International Organization for Standardization ISO 14001 – Environmental Management System

- First published in 1996
- Reviewed every 5 years
- Revised twice (2004 and 2015) since the 1996 publication



ISO 14001:2015 Changes



2004

- 1.0 Scope
- 4.0 EMS Requirements
- 4.1 General Requirements
- 4.2 Environmental Policy
- 4.3 Planning
- 4.4 Implementation and Operation
- 4.5 Checking
- 4.6 Management Review



2015

- 1.0 Scope
- 4.0 Context of the Organization
- 5.0 Leadership
- 6.0 Planning
- 7.0 Support
- 8.0 Operation
- 9.0 Performance Evaluation
- 10.0 Improvement



Key Changes



Key Changes

- Inclusion of EMS within the strategic planning
- Greater focus on leadership
- Lifecycle thinking
- More emphasis on communication and documentation
- Evaluation of Risks and Opportunities
- Common structure and terms used in other ISO management system



Scope



New Language: Organizations should consider intended outcomes when updating their current EMS

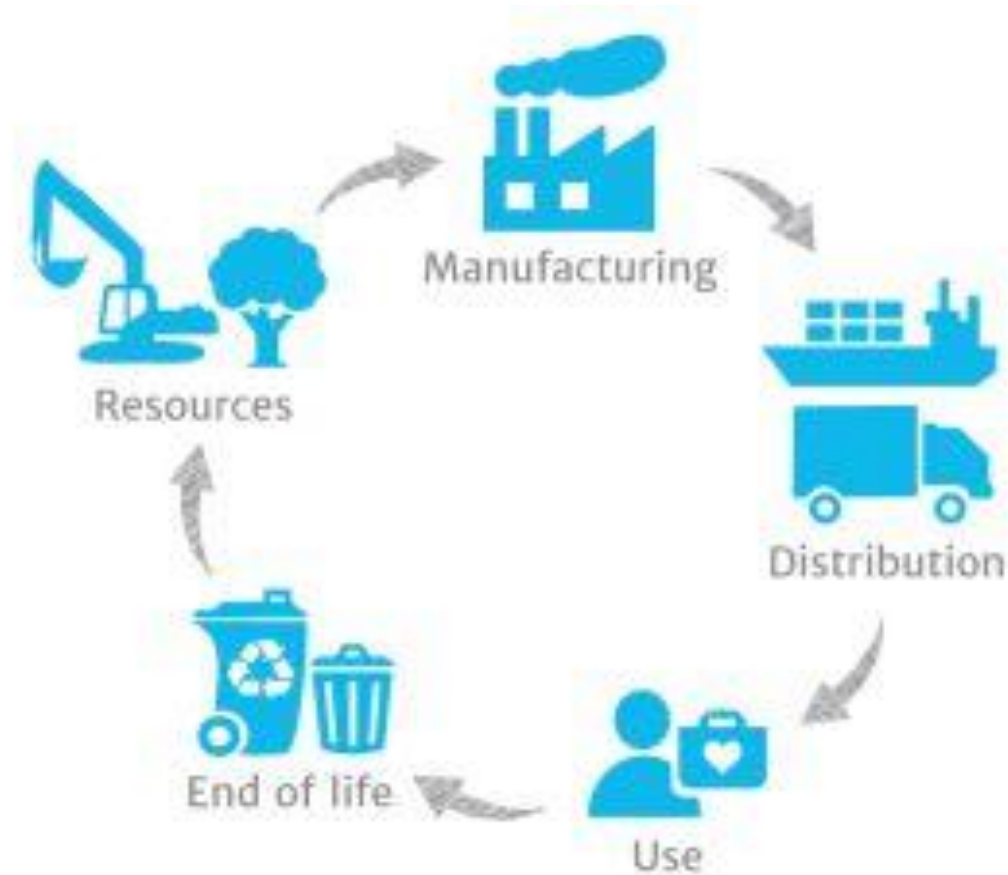
- Enhancing Environmental Performance and Sustainability
- Identifying Compliance Obligations
- Meeting Environmental Objectives
- Incorporating a Life Cycle Perspective



Scope



Example: Life Cycle Perspective



Context of the Organization



New Focus: Include environmental management in organizational strategic planning

- Re-evaluate internal and external factors affecting scope
- Identify interested parties
- Incorporate all environmental commitments and activities
- Consider knowledge gained



Context of the Organization

Example: Interested Parties



Leadership



New Focus: Top management should take the lead in integrating EMS in the organization

- Taking accountability for the effectiveness of EMS
- Ensuring policy and objectives compatible with strategic direction of organization
- Integration of EMS into business practices
- Ensuring adequate resources
- Communicating the importance of EMS



Planning



New Focus: Organization shall document EMS planning activities and actions to address risk and opportunities

Documentation should include:

- Identifying and addressing risks and opportunities
- Significant environmental aspects
- Compliance obligations
- Communication with stakeholders



Planning



Example: Risks and Opportunities

Potential Adverse Effects

- Air pollution
- Waste Generation
- Depletion of Natural Resource

Potential Beneficial Effects

- Increased efficiency
- Cost reduction
- Regulatory Compliance



Support and Operation



Increased Emphasis: Provide resources and evaluate procedures for communication and documentation of EMS programs



Support and Operation



The revised standard expands the requirements for communication including:

- Defining the process for when, with who, what and how it will communicate
- Encouraging employees to contribute
- Consideration of compliance obligations when communicating externally
- Documentation of the communication process
- Emergency preparedness and response



Performance Evaluation and Improvement



Evaluate the effectiveness of compliance actions taken and identify compliance status

- What should be monitored
- Methods for monitoring
- Evaluation criteria
- Timeframes
- Documentation

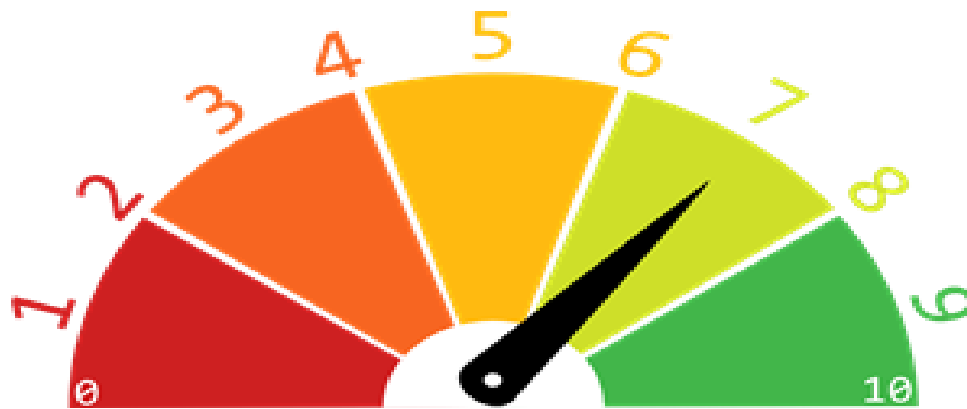


Performance Evaluation and Improvement



The management review should include more detail including:

- Evaluation of resources
- Fulfillment of compliance obligations
- Implications related to the strategic direction of the organization





U.S. Department
of Veterans Affairs

VHA Implementation Strategies

Moving forward with ISO 14001:2015



Who is the VA?



Department of Veterans Affairs Healthcare Network

168 Medical Center
1,053 Outpatient Sites

Serving over 8.9 million veterans each year





Green Environmental Management System (GEMS) Program

The VA GEMS program began in 2005 and has primarily focused on environmental compliance and continual improvement

The VA has made great strides in improving their environmental compliance and sustainability using EMS



VHA Implementation Strategies



Compliance vs. Conformance. Moving away for the binder on the shelf approach

- Crosswalk Development
- Employee Training
- Corporate templates
- Standardized list of significant aspects
- Compliance Requirements/Assessment Matrix
- Internal and External Auditing Processes



Proposed Standardized Significant Aspects



Waste

Hazardous

Universal

Regulated Medical

Water

Sanitary

Storm

AST/UST management

Air Emissions

Energy Usage



CR/AM



COMPLIANCE REQUIREMENTS / ASSESSMENT MATRIX (CR / AM)

Site	Harry S. Truman Memorial Hospital		Date Created	1-Jun-14
Address	800 Hospital Drive, Columbia, MO 65201		Date Updated	1-May-17
Point of Contact	Brett Sawyer, GEMS Coordinator		Revision Number	3
Phone	(573) 814-6000 x56297			
Email Address	bret.sawyer@va.gov			
EPA ID	MO3360090028			



CR/AM



<u>Significant Aspects</u>	<u>Objectives/Targets</u>	<u>Task</u>	<u>Monitoring</u> Frequency/Due Date
Hazardous Waste Management			
	Manage Hazardous Waste Program	Overall Management	
		Complete Hazardous Waste Summary Report(Form MO 780-1097)	Annually/August 14
		Complete Exception report(Form MO 780-0651)	As needed
		Submit Notification of Regulated Waste Activity(Form MO 780-1164)	Upon changes that modify the previous notification
		Perform accumulation area inspection	Weekly
		Verify waste accumulation is no greater than 180 days	As needed
		Spill Reporting and cleanup	As needed
		Maintain tracking documentation for all hazardous waste in a central location	As needed
		Ensure DOT training has been conducted for signers of manifests	Every 3 yrs.
		Perform Hazardous Waste training	Annually



CR/AM



<u>Legal Requirement</u>	<u>Roles & Responsibilities</u>	<u>Document Control</u>	<u>Training</u>	<u>Comments</u>
		Awareness training		
10 CSR 25-5.262(2)(D)(1)C	GEMS Coordinator	GEMS Coordinator's Office	N/A	Missouri Form found here.
40 CFR Part 262.42/10 CSR 25-5.262(2)(D)(2)C	GEMS Coordinator	GEMS Coordinator's Office	N/A	Missouri Form found here.
40 CFR Part 263.11(b)	GEMS Coordinator	GEMS Coordinator's Office	N/A	
40 CFR Part 265.174	GEMS Coordinator	GEMS Coordinator's Office	N/A	
40 CFR Part 262.34(d)	GEMS Coordinator	GEMS Coordinator's Office	N/A	
40 CFR Part 262.34(d)(iv)(B)	GEMS Coordinator	GEMS Coordinator's Office	N/A	
40 CFR Part 262.40(a)	GEMS Coordinator	GEMS Coordinator's Office	N/A	
49 CFR Part 172.702(a)	GEMS Coordinator	GEMS Coordinator's Office	DOT Hazardous Waste Manifest Training	
40 CFR Part 265.16	GEMS Coordinator	GEMS Coordinator's Office	Hazardous Waste Handler Training	



A scenic landscape featuring a sun rising over a range of mountains. The sun is low on the horizon, creating a bright glow and long shadows. The mountains are covered in dense evergreen forests. In the foreground, there is a field of tall grass and small white wildflowers.

QUESTIONS?

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