



Executive Order 13423

*Strengthening Federal
Environmental, Energy, and
Transportation Management*

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Office of Nuclear Safety and Environment, HS-20

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Overview



- Scope of Executive Order (EO)
- Sustainable Practices and Goals
- Environmental Management Systems and ISMS
- Path forward for DOE
- Toxic Reduction Update



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- President Bush signed Executive Order (EO) 13423 on January 24, 2007
 - Integrates and updates policies and requirements of five existing Greening the Government EOs and two Federal Memoranda of Agreement
 - Establishes new Departmental goals
- The Council on Environmental Quality issued detailed implementation Instructions on March 29, 2007



Policy



Federal agencies shall conduct their environmental, transportation, and energy-related activities under the law in support of their respective missions in a manner which is

- environmentally sound,
- economically and fiscally sound,
- integrated,
- continuously improving,
- efficient, and
- sustainable



Sustainable Practices



The Secretary shall implement within the Department sustainable practices for:

- i. energy efficiency, greenhouse gas emissions avoidance or reduction, and petroleum products use reduction
- ii. renewable energy, including bioenergy
- iii. water conservation
- iv. acquisition
- v. pollution and waste prevention and recycling
- vi. reduction or elimination of acquisition and use of toxic or hazardous chemicals
- vii. high performance construction, lease, operation, and maintenance of buildings
- viii. vehicle fleet management
- ix. electronic equipment management



Goals: Issues for DOE to Address



- EO establishes Agency-level goals in each sustainable practice area
- Establishing site-specific goals to meet overall DOE goals
 - EO goals are framed as agency goals; DOE progress dependent on site performance
- Incorporating site-specific goals in site EMSs
- Collecting, analyzing and reporting data to measure performance



Environmental Management Systems



- The Secretary shall implement Environmental Management Systems (EMSs) “at all appropriate organizational levels”
- The Department shall use EMS
 - as the primary management approach for addressing EO 13423 requirements
 - to ensure establishment of objectives and targets to ensure implementation of EO 13423
 - to ensure collection, analysis, and reporting of information to measure performance in implementation of EO 13423



EMS Assistance Network (EMSAN)



- Created by HS-22, Office of Nuclear Safety and Environmental Assistance
- First meeting on Monday, April 30
- Support DOE program office and site representatives with EMS-related challenges, lessons learned, information sharing
- Initial focus will be assisting with EO 13423 implementation



EMS and ISMS Issues for DOE to Address



- Modify/expand existing site EMSs to incorporate broader scope of EO 13423
- Integrate expanded EMS scope within ISMS
- Determine other 'appropriate levels' (DOE site offices? DOE program offices? DOE-wide?) to implement EMS
- New requirements for EMS: Framework and Audits
 - Reflect the elements and framework found in ISO 14001:2004
 - Formal audit by a qualified outside party before declaring initial implementation of an EMS and then at least every three years



Implementation Steps at DOE



- Designate Senior Official to lead implementation
- EO is not self-implementing; work through Directives process to establish updated goals and expectations
 - Revise DOE O 450.1, O 430.2A, M 231.1, and 450.1 Guides (as necessary)
- Keep key DOE stakeholders engaged and involved in this process
- Conduct outreach and education via briefings, training, workshops, and conferences



Designate Department's "Senior Official"



- The Secretary designated Andrew Karsner, the Assistant Secretary for Energy Efficiency and Renewable Energy, as the Senior Official responsible for EO 13423 implementation
 - Senior Official has authority and duty to report to the Secretary on the Department's activities to implement EMS and sustainable practices under EO 13423
 - Secretary instructed EERE, HSS, MA, CIO, and NNSA to enter into MOA to define roles and responsibilities



Departmental Coordination



- Secretary wants DOE to lead all Federal agencies in implementation performance
- EERE is briefing a “Transformational Initiative” for EO 13423 implementation
- Still need to establish a “path forward” for sustained EO 13423 implementation strategy



Goals: Toxic Chemicals



- i. Reduce the quantity of toxic and hazardous chemicals and materials which DOE acquires, uses, and disposes of
- ii. By January 24, 2008, DOE is to develop, at all appropriate organizational levels, written goals and support actions to reduce the release and use of toxic and hazardous chemicals



Toxic Chemicals: Path Forward



- Formed joint EFCOG/DOE project to address this requirement at the Chemical Safety Workshop in March
- Developing recommendation to HS-1 for complying with toxic reduction requirements of the EO
- Aggressive timeline—want consensus recommendation by October



Where We're Heading



- Expect to recommend that DOE sites determine the specific chemicals, reduction goals, and implementation actions within the framework of the site's EMS
 - Recommendation should provide some framework for guiding that determination
- No intent to develop a list of chemicals that DOE sites would be expected to target for reductions
- No intent to develop specific reduction goals for the Department as a whole



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Questions? Comments?

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