



Executive Order 13423

*Strengthening Federal
Environmental, Energy, and
Transportation Management*

Josh Silverman

Office of Nuclear Safety and Environmental Policy, HS-21

Prepared for DOE Chemical Safety Workshop
March 13, 2007



Overview



- Scope of Executive Order (EO)
 - Policy
 - Sustainable Practices
 - Environmental Management Systems
 - Sustainability Goals
 - Accountability and Reporting
- Path forward for DOE
 - Implications for Chemical Safety and Lifecycle Management



Executive Order 13423



- Signed by President Bush on January 24, 2007
- The new EO integrates (and replaces) five existing Greening the Government EOs and two Federal Memoranda of Agreement
- EO establishes broad policy and requirements
- The Council on Environmental Quality issued draft implementation instructions on February 13, 2007
 - Final instructions expected around March 31, 2007



EO 13423: Policy



“It is the policy of the United States that Federal agencies conduct their environmental, transportation, and energy-related activities . . . in an environmentally, economically, and fiscally sound, integrated, continuously improving, efficient, and sustainable manner.”



Sustainable Practices



The Secretary shall establish DOE goals and implement sustainable practices for:

- i. energy efficiency, greenhouse gas emissions avoidance or reduction, and petroleum products use reduction
- ii. renewable energy
- iii. water conservation
- iv. acquisition
- v. pollution 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



Sustainable Practices



The Secretary shall establish DOE goals and implement sustainable practices for :

vi. Reduction or elimination of acquisition and use of toxic or hazardous chemicals



Environmental Management Systems



The Department shall use Environmental Management Systems “at all appropriate organizational levels”

- as the **primary management approach** for addressing the environmental aspects of internal DOE operations and activities
- to **establish objectives and targets** to ensure implementation of EO 13423
- for data collection, analysis, and reporting to **measure performance** in implementing EO 13423



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 (cont.)



iii. DOE must consider the following in developing goals for toxic chemical reduction:

- risks to people, property, the environment, mission capability, and business costs
- existing environmental hazard lists (EPA, DoD, Agency-specific)
- regional- and watershed-based programs, as appropriate



Goal and Reporting Issues to Address



- Review DOE goals in light of EO requirements
 - Modify existing, or establish new, as appropriate
- As needed, establish site-specific goals and performance expectations to meet DOE goals
 - Incorporate site-specific goals in site EMSs as objectives and targets
 - Integrate sustainable practices and EO goals into EMSs at appropriate organizational levels
- Collect, analyze, and report data to measure performance



Implementation Steps at DOE



- Form a cross-functional team at Headquarters
- Develop EO Implementation Plan
- Conduct outreach and education via briefings, training, workshops, and conferences
- Revise affected DOE Orders, Manuals, and Guides as appropriate
- *Keep DOE stakeholders informed and involved in the implementation process*
 - *CSTC Project Proposal*



Executive Order 13423



Questions? Comments?

Contact information:

Josh Silverman

202-586-6535

josh.silverman@eh.doe.gov