

Emerging Contaminants Directorate



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Emerging Contaminants Directorate
 Update to the DoD Metal Finishing
 Workshop

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Presentation Overview

- ❖ **Emerging Contaminants (ECs)**
 - ◆ Identifying 'Watch' and 'Action' Chemicals
 - ◆ Risk Assessment and Risk Management (RM) Opportunities
- ❖ **EC Directorate**
 - ◆ The MERIT Team and Subject Matter Experts (SMEs)
 - ◆ Partnerships and Other Stakeholders
- ❖ **Hexavalent Chromium**
 - ◆ Current Status
 - ◆ Next Steps

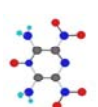
Your Role

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What Is an Emerging Contaminant?

Chemicals & materials

- ❖ **With**
 - ◆ Perceived or real threat to human health or environment
 - ◆ Evolving regulatory interest
 - ◆ Either no peer reviewed health standard or an evolving standard
- ❖ **May have**
 - ◆ Insufficient human health or environmental data/science
 - ◆ New detection limits
 - ◆ New exposure pathways



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Why the Need for Action?

Proactive vs Reactive



\$\$\$ Small investment here \$\$\$ Large impact here

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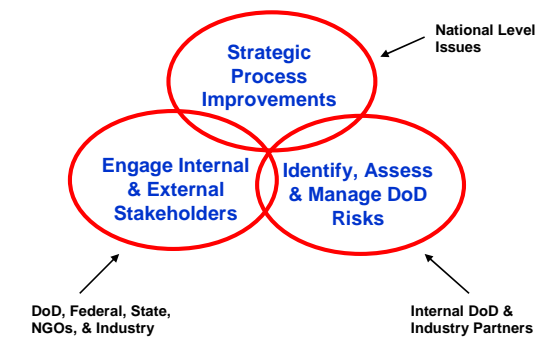
The Vision

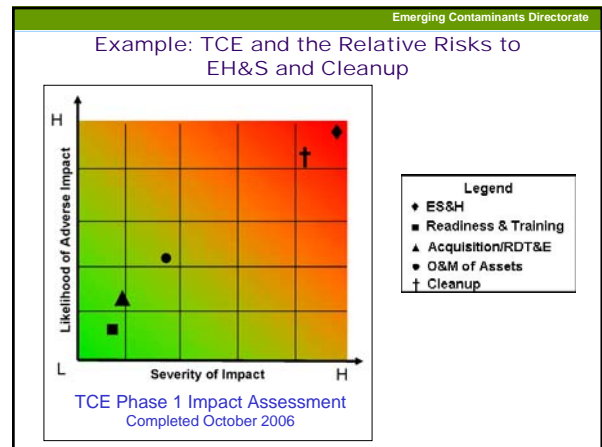
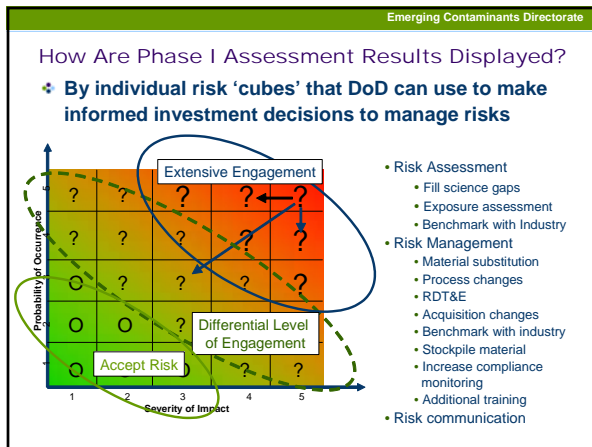
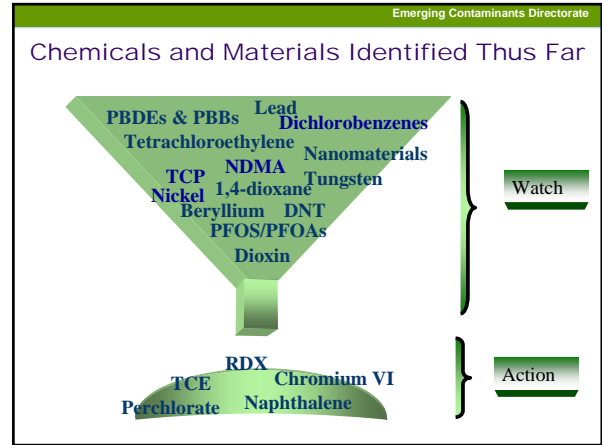
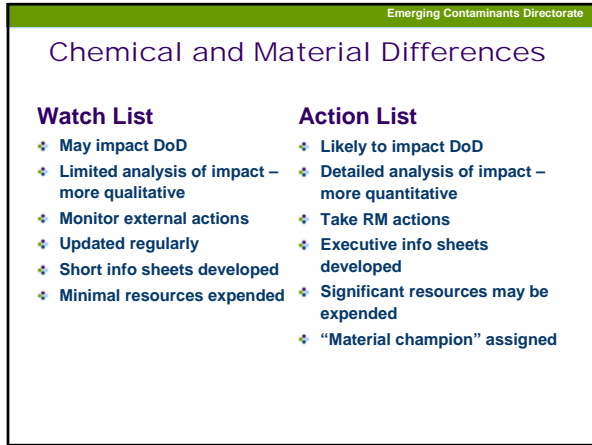
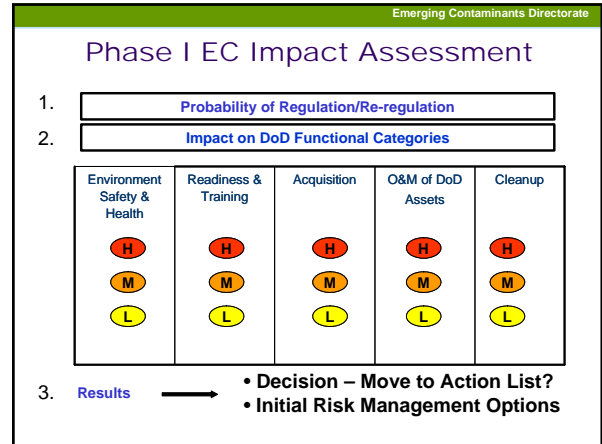
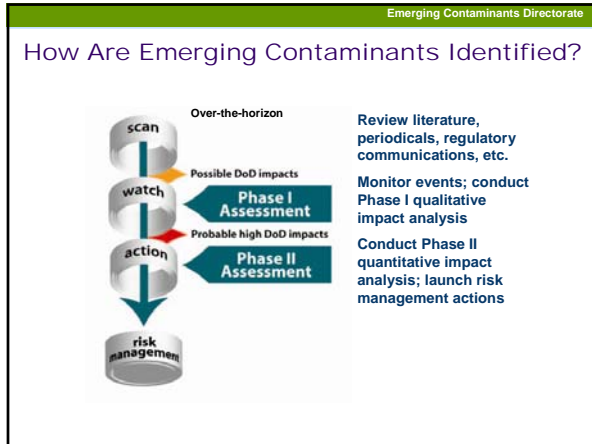
Imagine if the largest industrial complex in the nation could...

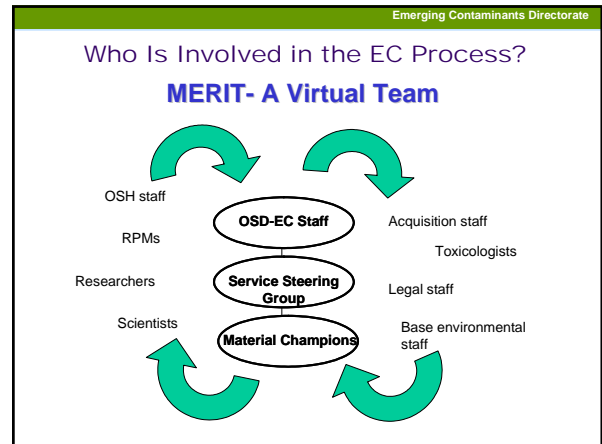
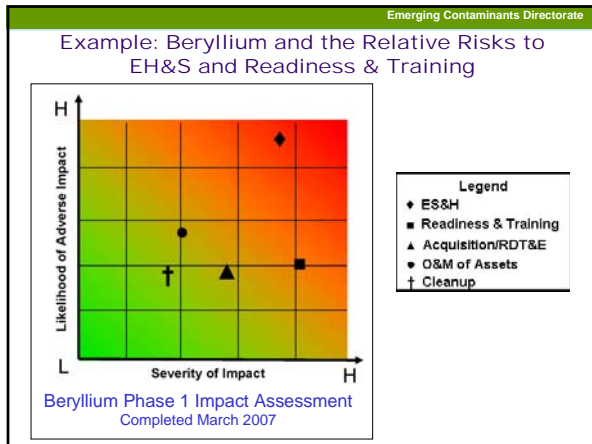
- ❖ **Predict** which chemicals it uses, or might use, pose human health and environmental risks and have an evolving regulatory status
- ❖ **Develop** a consensus evaluation of types & magnitudes of the risks in using/releasing such chemicals
- ❖ **Develop** risk management options and invest in high-payback actions
- ❖ **Achieve** and *measure* risk reduction

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Strategic Priorities to Achieve the Vision







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How Does the Directorate Achieve
 Its Goals?

- ◆ By enlisting various SMEs to participate in the assessments
- ◆ By partnering with other programs or agencies such as SERDP
- ◆ By leveraging professional expertise within other groups, for example, the metal finishing industry

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What Is the Status of Hexavalent Chromium
 as an Emerging Contaminant?

- ◆ The first EC for which a Phase II Assessment will be performed
- ◆ Your potential role in helping the EC Directorate to determine
 - ◆ Key DoD uses and applications
 - ◆ Impacts to DoD
 - ◆ Risk management options for DoD

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Hexavalent Chromium Question 1

- ◆ What are the uses of hexavalent chromium for which DoD cannot live without?

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Hexavalent Chromium Question 2

- ◆ What are the roadblocks, both technical and otherwise, affecting the selection of alternatives to hexavalent chromium?

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Hexavalent Chromium Question 3

- ❖ **What are the risk management (RM) options currently being examined by your organization?**

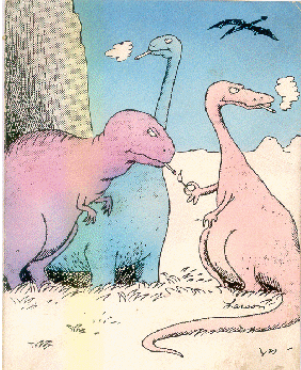
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The Take Home Message

- ❖ **Tell me your story**
 - ◆ What opportunities have we missed?
 - ◆ What other sources of information do we need?
- ❖ **What about all the questions I did not have time to ask...**
- ❖ **Stakeholders meeting in July at EC's Office to**
 - (1) re-evaluate the risk cube with SMEs**
 - (2) discuss the RM options for hexavalent chromium's Phase II Assessment**
 - ◆ Give me your business card
 - ◆ Tell me who should be at this meeting

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Otherwise...



The real reason dinosaurs became extinct.

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DoD EC Web Sites



DoD Site: <http://intranet.dodmeritinfo.net>

DoD is committed to protecting the public, our work force, the environment, and our national security.

What's New
Announcements
July 27, 2006
HHS releases its report "Assessing Human Health Risks of TCE Key Scientific Issues"

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Contact Information

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THANK YOU FOR YOUR ATTENTION!