

# EPA's Dioxin Reassessment

Mary P. Logan – U.S. EPA  
CAG Meeting – June 21, 2010



# EPA's Dioxin Science Plan

- May 2009 – EPA's Science Plan for Activities Related to Dioxins in the Environment
- June 2009 – EPA Administrator Lisa Jackson issued a letter to the communities in the Tri-Cities area
  - Review the University of Michigan Dioxin Exposure Study (UMDES)
  - Issue interim Preliminary Remediation Goals (PRGs)
  - Complete dioxin reassessment

# Dioxin Reassessment

- EPA has released a draft dioxin reanalysis report for a 90-day public review and comment period.
  - EPA anticipates a public teleconference.
  - The deadline for comments is August 19, 2010.
- EPA's Science Advisory Board will convene an expert panel to peer review this draft report.
  - Public panel meeting to be held on July 13-15, 2010.
- EPA will respond to comments.

# Contents of Draft Report

- Reviews the literature on the health effects of dioxin and related compounds
- EPA's response to key recommendations and comments made by the National Academy of Sciences (NAS) on the Agency's 2003 draft dioxin reassessment

# Contents (cont.)

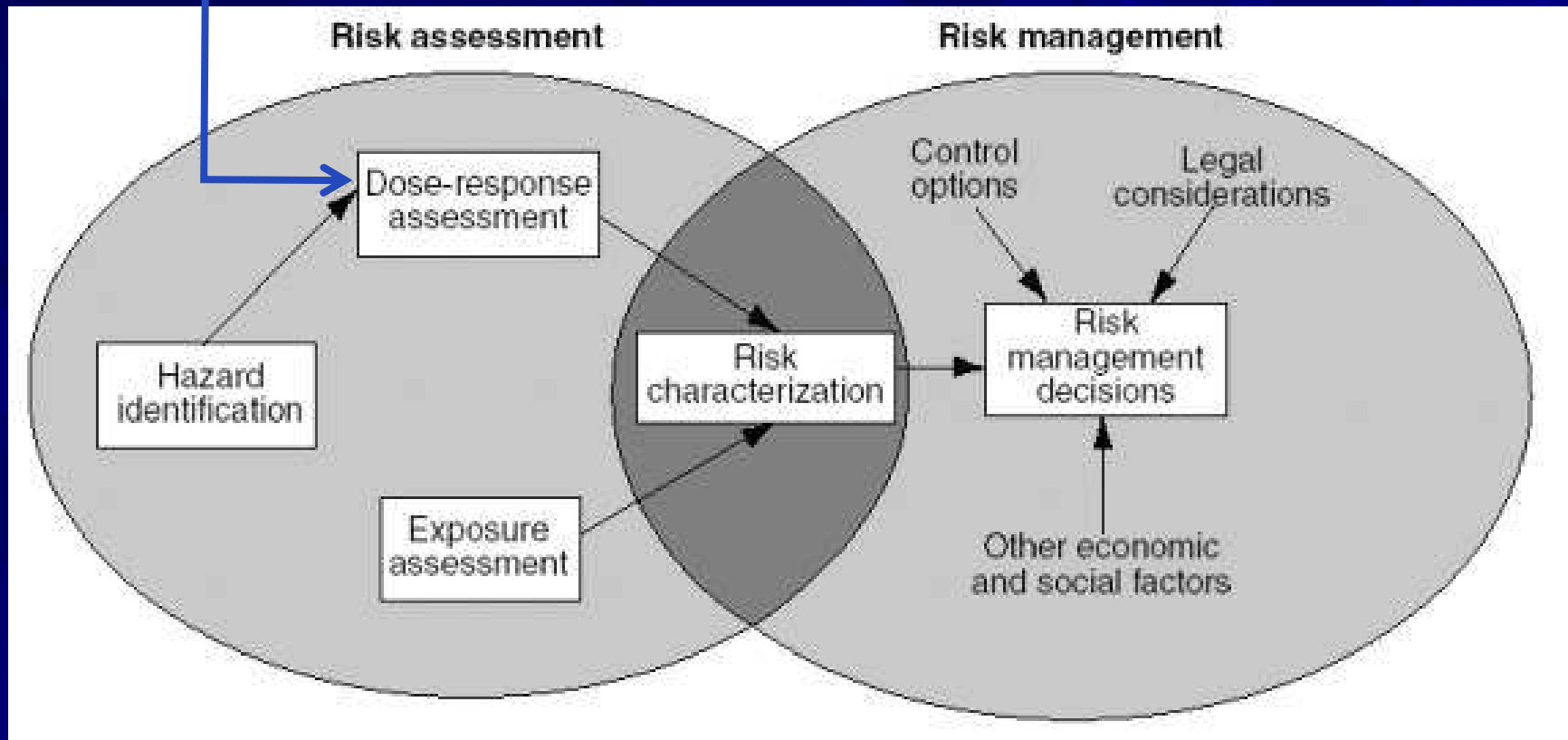
- Includes new analyses on potential cancer and non-cancer human health effects that may result from exposures to dioxins
- Includes an oral reference dose for what is considered to be the most toxic of the dioxin-like compounds

# Potential Environmental Risk

In general terms, potential risk depends on the following factors:

- How much of a chemical is present in an environmental medium (e.g., soil, sediment, fish);
- How toxic is the chemical; and
- How much contact (exposure) a person or ecological receptor has with the contaminated environmental medium.

Dioxin  
Reassessment



# EPA References

## ■ General dioxin

- <http://cfpub.epa.gov/ncea/CFM/nceaQFind.cfm?keyword=Dioxin>

## ■ Dioxin reassessment

- <http://cfpub.epa.gov/ncea/cfm/recordisplay.cfm?deid=222203>

**QUESTIONS ?**