

OEL Setting Processes

Their Evolution

Chris Laszcz-Davis, MS, CIH, REA

The EQ- Organization, LLC

CIHC

December 10, 2008

San Diego, CA

Presentation Highlights

- Historical Evolution
- OEL Setting Processes Today
- Challenges

Global Evolution

- Pre 1800s
- Mid 1800s
- Early 1900s
- 1940s-1970s
- Post 1970s



Today's OEL Processes

- US Environment
- European Union Environment

Today's OEL Processes

■ US Environment

- 1927 Walsh Healey Act
- 1970 OSHA
- 1970 NIOSH
- ACGIH
- State Department of Health Efforts

Today's OEL Processes

■ European Union

- ACGIH TLVs a starting point
- Individual country efforts
- 2005 Control of Hazardous Substances Hazardous to Health Regulations (COSHH)
- 2007 REACH

REACH

- EU effort
- 2007 Regulation on Registration Evaluation & Control of Chemicals
- Prescribed DNELs
- Include health, environmental and physical safety risks
- Lower than traditional OELs

Challenges

- Number of chemicals in commerce
- Addition of full cycle risks
- Not all value OELs
- Quality & reliability of basic data
- Various risk determination efforts and resulting exposure levels
- Resources and expertise

Critical Few Questions

- Do OELs still have value today?
- Need a common global OEL process?
- Neutral forum/sponsor?

Thank You - Any Questions?