Green Urban Manufacturing Initiative (GUMI) Roundtable

September 23, 2010

Worker Health & Safety: An Integrated Approach

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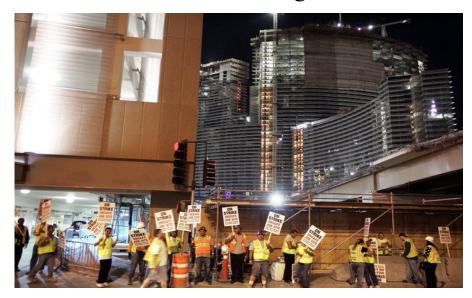
UCLA Labor Occupational Safety & Health Program (LOSH)

Overview

- What do we mean by green?
- How did we get here?
- Moving to good, green, safe jobs: Challenges & Opportunities
- Worker health, education and involvement
- Resources

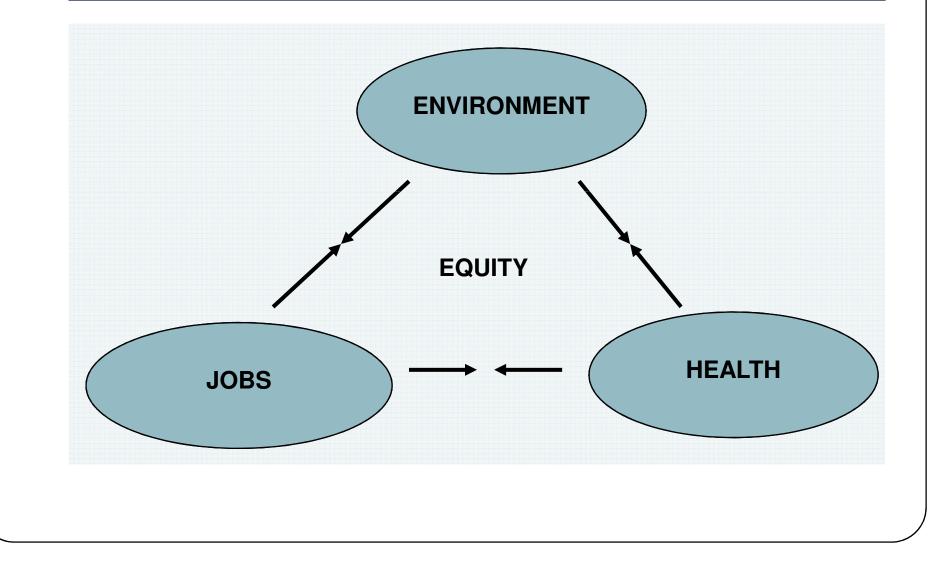
Green = Sustainable ?

- Las Vegas City Center
 - One of largest "green building" construction projects worldwide LEED certification
 - Construction workers dying at a rate of 1 every 6 weeks
 - OSHA investigation





What do we mean by green? Sustainability Framework

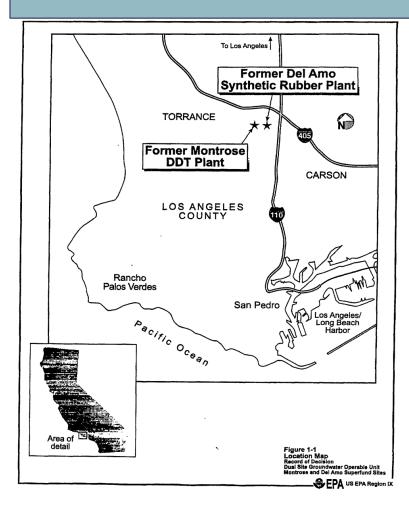


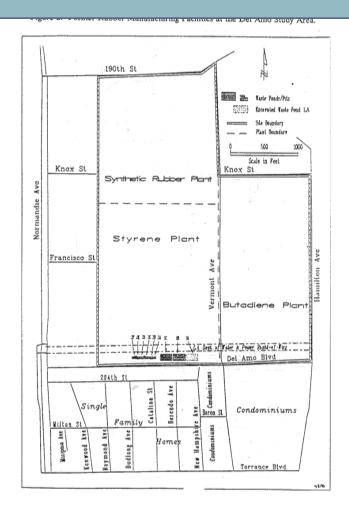
How did we get here?

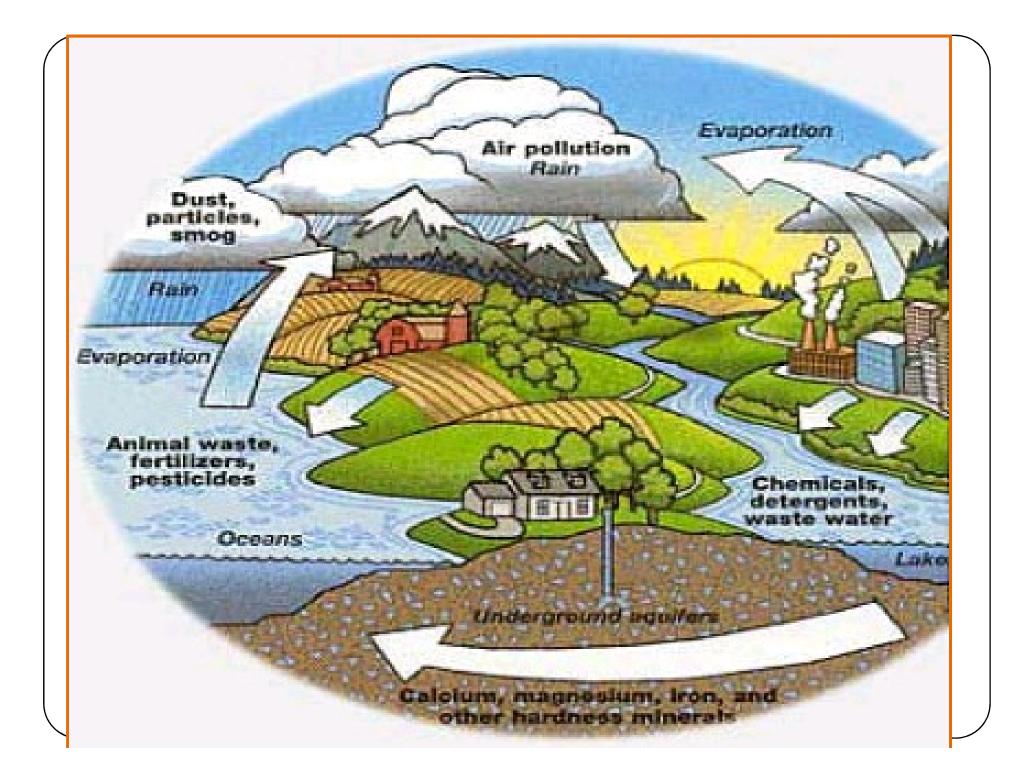


Valley of the Drums – Kentucky , 1967-77 Painting and coating industry waste; app. 4,000 drums

Del Amo/Montrose Sites







Green Jobs in '80's: Hazardous Waste Cleanup

- Environment Benefits
 - Clean up the mess
 - Superfund legislation
- Worker Health Protection
 - Training & Protection required
 - OSHA HAZWOPER regulations
- Job Creation
 - Union JLM apprentice programs; Minority Worker Training program
 - Funding by National Institute of Environmental Health Sciences, late '80's

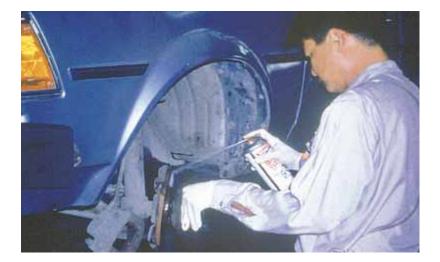
Green Jobs in 2010: Opportunities & Challenges

- Challenge of Job Blackmail Health/Environment versus Jobs
 - 1974: vinyl chloride rare liver cancer
 - OSHA regulation to limit worker exposure
 - VC/PVC manufacturers: cost \$65 billion, lose million jobs
 - Outcome: technology forcing regulation → closed loop polymerization process – reduced worker exposure, reused some of product
 - 2010: AB 32
- Chance to "green" production process – products; prevent worker, community exposures

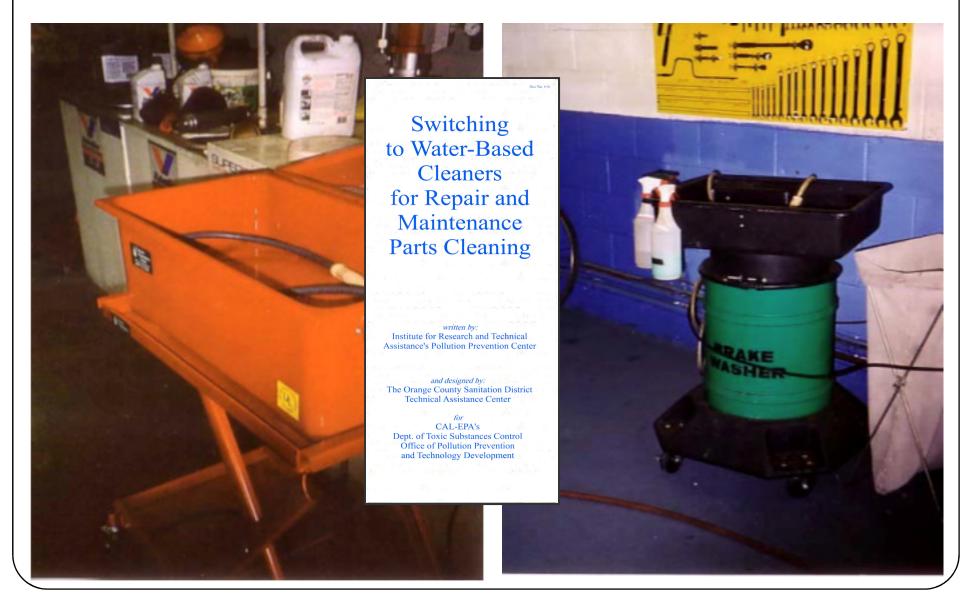


Auto Repair – Unintended Consequences





CDPH Recommended Water-Based Brake Cleaners



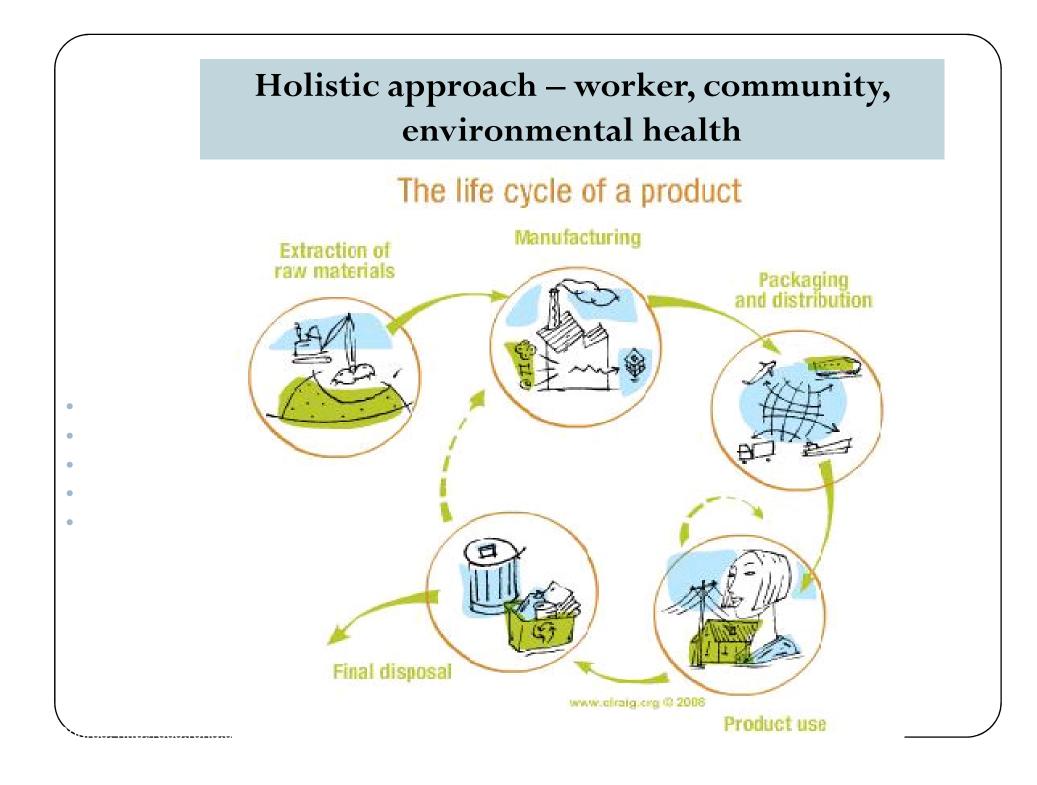
Collaboration: Safer Chemical Products & Processes



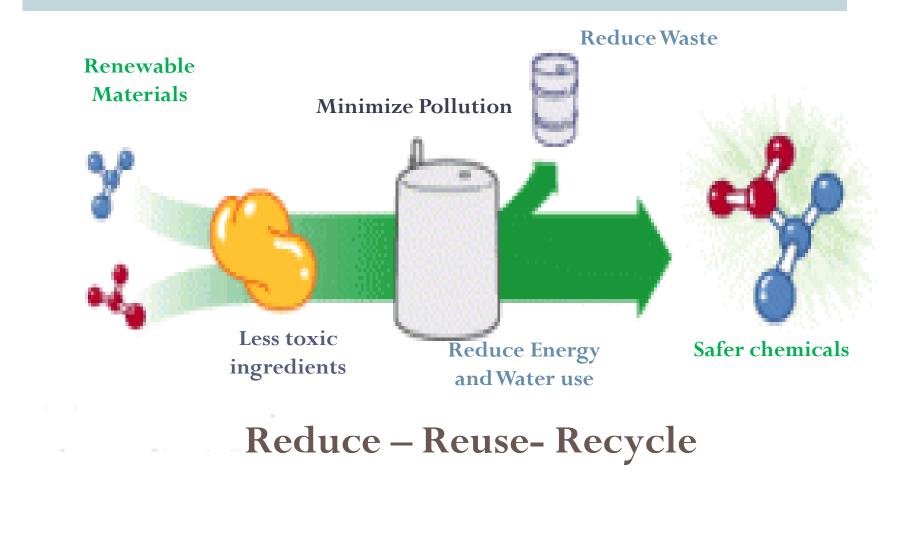


Printing Press Chemicals

Hospital Disinfectants



One approach: Green Chemistry -Worker Health & Environment



Back to Basics



- Protection from Safety & other hazards – falls, trips, back injuries
- LA Fatality Investigations:
- Solar energy technician electrocuted
- Deadly skylights solar energy & warehouse workers killed

Worker Health, Education & Involvement



- Injury & Illness
 Prevention Program
- Education new job,

new process

 Worker involvement critical to goals of sustainability

Key Points

<u>Sustainability</u>

Comprehensive approach

- Conflict → Cooperation / collaboration
- Fragmented → Integrated strategies

Education, Organizing

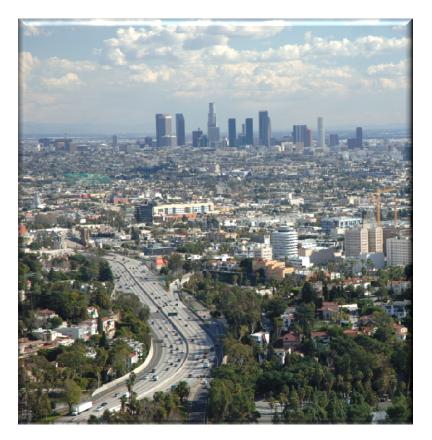
• Build a movement (green bldgs, jobs)

Government policy

• Mixed approach – legislation, regs, \$\$

Some Resources

- UCLA-LOSH: www.losh.ucla.edu
- UCLA STPP
- CA Dept. of Public Health, Occupational Health Branch
- Preventing Toxic Exposures: <u>www.healthresearchforacti</u> <u>on.org</u>



www.healthresearchforaction.org

• Preventing Toxic Exposures: Workplace Lessons In Safer Alternatives