

Global Environmental Health in the 21st Century: From Government Regulation to Corporate Social Responsibility

Wrap-up Panel

By

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Risk Assessment: Linking Health Effects to Operational Goals

Disease/ health effect



Exposure/ behavior



Ambient level



Operational goal (limits, conditions)

Addressing Globalized Risk Management (Problems, Exposures, Companies, Stakeholders)

Institutions:

- SIACM, UN, OECD, ILO, WHO
- EU, other regional groups
- Industry groups (ACC, ICC, USCIB, et al.), companies
- WTO, World Bank
- Communities, governments, NGOs (Environmental Defense, et al.)
- Academia

Addressing Globalized Risk Management **(Problems, Exposures, Companies, Stakeholders)**

Tools:

- **Treaties (POPS, etc.)**
- **National regulation**
- **Organization management systems**
- **Operational processes (Green Chemistry, re-manufacturing, recycling, etc.)**

Driving Performance vs. Operational Goals

■ Management systems

- Multi-disciplinary (EHS, security, etc.)**
- Products**
- Facilities and headquarters**
- Supply chain**
- Aspects/risk analysis (Governance issue? Enterprise Risk Management?)**
- Metrics**
- Visible management support**

■ Transparency (w/ stakeholders, GRI, et al.)

■ Accountability

6 Common Reasons Why EMSs Fail

- 1. Wrong objective for obtaining EMS**
- 2. Over-emphasis on documentation, under-emphasis on field interviews**
- 3. Evaluation of what system is likely to provide, not what it has consistently provided**

6 Common Reasons Why EMSs Fail

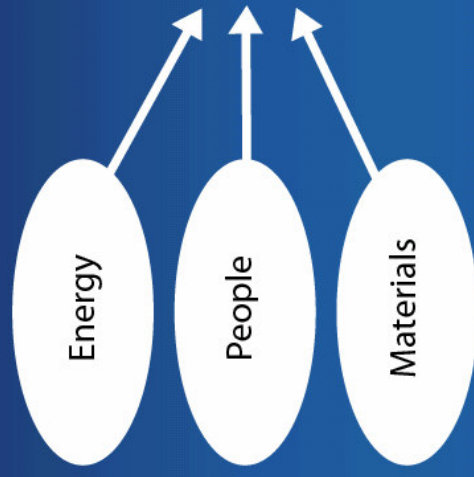
4. Focus on continual improvement, not absolute performance vs. benchmarks

5. Lack of good professional judgment of outputs

6. Failure to spot and address overarching root causes

EMS AS A MACHINE

INPUTS



PROCESS



OUTPUTS

