



International Challenges in Environmental Compliance, Auditing, and Supply-Chain Sustainability

Dave Einolf
Endeavour EHS, LLC
dave@endeavourehs.com
[971] 678.8111

Brief Bio Spot – Dave Einolf

- Founder, Endeavour EHS, Portland-based EHS Management Consultants
- Former Western Regional Compliance Manager, ERM, 16 years int'l audit experience
- Focal points:
 - Process safety management
 - Electronics
 - Asia

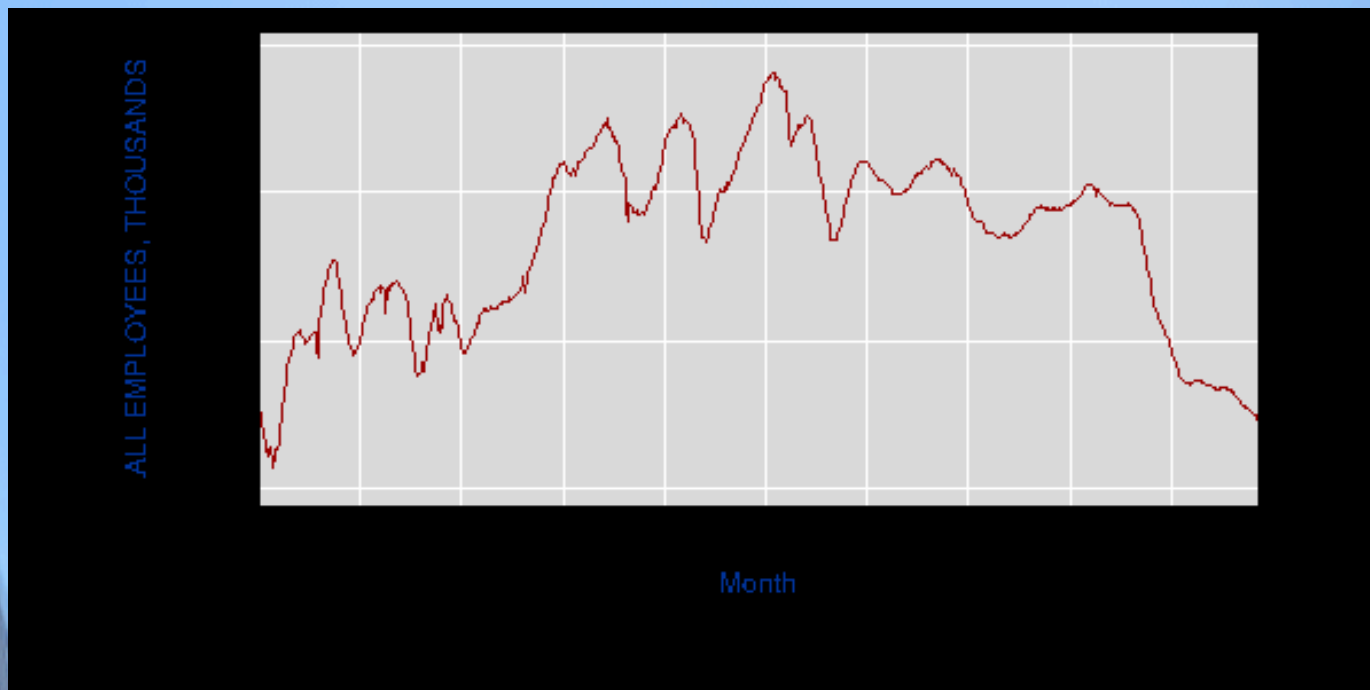


International Audit Experience

- China
- Taiwan
- Japan
- Singapore
- Malaysia
- Korea
- Australia
- Germany
- Switzerland
- UK
- Canada
- Israel
- Mexico

Changes in the International Economy

- April 2008 – US Mfg. employment at 13.1 Million
- Lowest since December, 1949



Manufacturing Jobs are Moving Out of the US

- US Manufacturing Trade Deficit at \$815 Billion in 2007 from a \$2.6 Billion surplus in 1970, the year the EPA was founded



US “Manufacturers” are not really

- Nike - \$15 B revenue
– operates only 2 manufacturing facilities
- Cisco - \$28.5 B revenue, no manufacturing for major product lines



Impact on Today's SHE Professionals



- SHE Professionals need to be cognizant of international regulations and issues
- SHE professionals need to be able to manage international projects and consultants

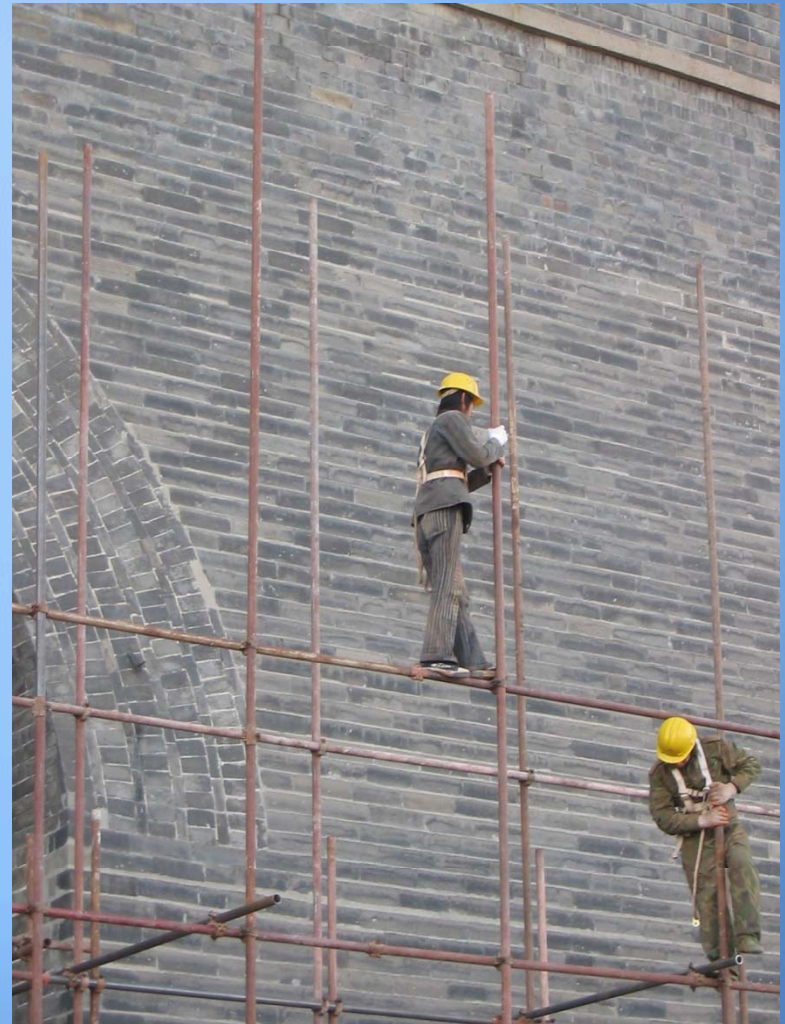
International Compliance



- Context of compliance
- Existence of regulation
- Conformance to standards
- Increasing complexity of regulation

Context of Compliance

- Many developing countries do not have a tradition of safety
- Asian “fatalism”
- Latin American “machismo”
- Explore and understand the culture



Existence of Regulation

2005.6.5
世界环境日

人人参与, 创建绿色家园
——大力发展循环经济



循环经济是一种生态经济,它要求运用生态学规律来指导人类社会的经济活动。它所倡导的是一种与环境和諧的经济发展模式,它要求把经济活动组织成一个“资源—产品—再生资源”的反馈流程,其特征是低开采、高利用、低排放。所有的物质和能源要能在这个不断进行的经济循环中得到合理和持久的利用,以把经济活动对自然环境的影响降低到可能的程度。

循环经济主要有三大原则,即“减量化、再利用、资源化”。

循环经济追求的是“资源—产品—再生资源”的“圆形”产业链,把资源尽可能地充分有效利用,使经济发展的成本最低、质量最好、效益最高、污染物排放最少,甚至为零。

循环经济是落实科学发展观、构建和谐社会的有效途径。

国家环境保护总局

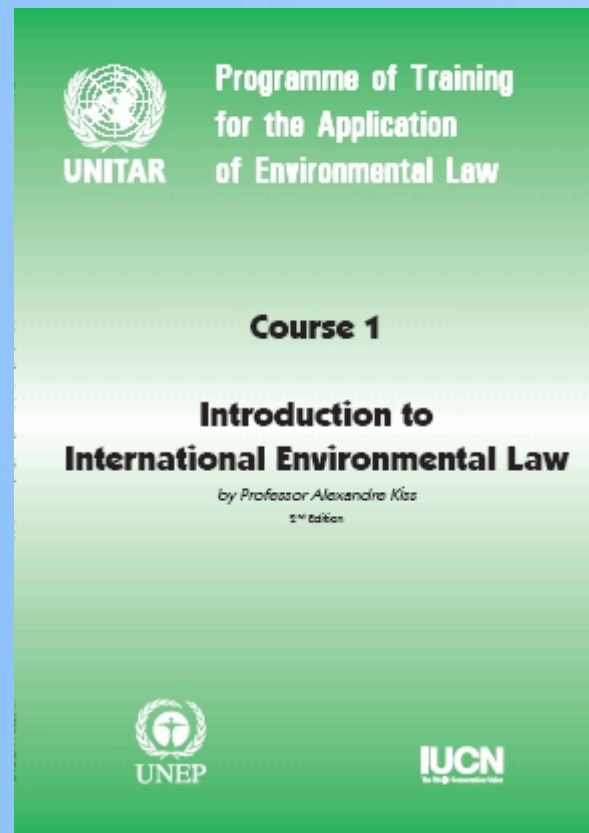
- Regulations exist – don't let anyone tell you otherwise
- Growth in regulation has been substantial in past 10 years
- Regulation may be a part of approvals to operate

Conformance to Standards

- ISO 14001
- OHSAS 18001
- Company standards
- Codes of Practice



Increasing Complexity of Regulation



- Consider a regulatory tracking service
- Consider international audit protocols (ENSR, ENHESA)
- Consider local counsel

Basic Audit Considerations

- Be prepared...
- Hazardous waste – generation, disposal, and ultimate disposition
- Provisions of EIA or other impact assessment



Personal Audit Considerations

- Visas and transportation requirements
- Language barriers
- Dietary concerns
- Jet lag
- Distance between site and accommodations



Other Audit Considerations



- Difference between laws on the books and enforcement
- Requirements for environmental or industrial hygiene monitoring

Audit Follow-Up

- Beware the ubiquitous “yes”
- What is not measured is not managed
- Make sure you have support from above for reports at international sites



Thank you for your attention

Dave Einolf – 971.678.8111
dave@endeavourehhs.com

