

## EHS, Sustainability and Product Stewardship



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AECOM's global presence and breadth of experience provides a business advantage in coordinating compliance-based initiatives and EHS management.

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### Areas of Expertise

- Gap Assessments
- Development of Management Tools
- Subject Matter Expert Assessments
- EHS Management Protocols
- Reviews of the Manufacture, Processing, Distribution in Commerce, Use and Disposal Activities
- Export and Import
- Specific Chemical Reviews

### More Information

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### Key Reference Material

Our practice leaders are authors too. Many have peer reviewed published articles and books; in addition to teaming with our clients and government to provide guidance documents and regulations. Example publications in EHS and sustainability and stewardship include textbooks; 1) *Handbook of Chemical Regulations: Benchmarking, Implementation, and Engineering Concepts*; 2) *Electrical Safety, Systems, Sustainability, and Stewardship*; 3) *Building Vulnerability Assessments*; 4) *Biological Risk Engineering Handbook* and 5) *Air Sampling and Industrial Hygiene*.

### Overview

Providing interlinked information on multiple EHS topics empowers business to make forward-thinking and sustainable decisions. Whether domestic or globally focused, product lines increasingly have to meet multinational standards. The US Global Harmonization System (GHS) has been implemented to address hazard communication of chemical risks in the workplace. The GHS hazard communication used concepts developed in REACH and CLP initiatives worldwide and integrated those in a new OSHA regulation. Similarly, the juxtaposition of REACH with TSCA and FIFRA is expected to lead to harmonized TSCA and FIFRA regulations.

For food, drug (prescription and over-the-counter) and cosmetics, the US FDA regulations are changing, with some alterations being similar in scope to European Union (EU) directives. Chemicals used in foods, food containers, and animal feed are characterized as direct or indirect food ingredients. With the passage of the Food Safety Modernization Act (FSMA), a new FDA risk assessment process is required and is known as Hazard Assessment Risk Preventative Controls (HARPC).

Similarly, biological and physical risks (radiation, non-ionizing radiation including electromagnetic frequency evaluations) are ascertained through focused investigations and comparison to regulations, guidance documents, and industry standards.

The culmination of integrated risk analysis is a panel of information that can be used for cohesive and relevant decision making. The business advantages of this approach are that assessments, audits, due diligence investigations, program and plan development, and community outreach start with a solid platform of knowledge derived from the efforts of a team that understands how multiple requirements interrelate.



## Our Approach

AECOM realizes that US requirements extend globally in some circumstances. Our services address businesses' needs in a global market. Our teams analyze country-specific regulations that may influence chemical management. AECOM's global presence provides a business advantage in determining supply chain and downstream consumer-based requirements.

## Areas of Expertise

AECOM provides expert teams to address the multi-faceted needs for EHS management. Services include determining the regulatory status of the chemicals, biologicals, and/or physical agents. Once regulatory status has been determined; AECOM provides:

- **Gap assessments** to determine which compliance elements require additional attention.
- **Development of management tools**, including computer software and resultant hard-copy templates; the evaluate site and facility status.
- **Subject matter expert assessments** of required risk assessments, analytical testing, and surveying of site status; to include:
  - Determination of testing parameters for new chemical substances or significant new uses of existing chemical substances.
  - Evaluation of bridging criteria between similar chemicals.
  - Provisions for real time analysis of hazards using state-of-the-art technology.

- **EHS management protocols** that address the overlap between regulations and industry standards. Protocols include regulatory recordkeeping and the means (forms, electronic communication) to do so.
- **Reviews of the manufacture, processing, distribution in commerce, use, and disposal activities.** In the US, DOT requirements are included for transport and disposal. For facilities, reviews encompass preventative controls, verification methodologies, supply chain requirements, and corrective action procedure status.
- **Export and Import.** AECOM provides assistance with export notifications (onus on exporter) and import certifications (onus on importer). This includes issues associated with raw materials.
- **Specific chemical reviews** required by states and localities. For example, California Proposition 65 and Coalition of Northeastern Governors requirements.

## Key AECOM Attributes

- Our staff has experience derived from participation in regulatory framework development with government agencies.
- Our deep experience base combined with technical outreach to companies throughout the world and locally provides a holistic approach to compliance and EHS management.
- AECOM has participated in development, ongoing management, and realignment activities for diverse industries and commercial clients. Each client has taught us something about their needs, and we have listened.