



EPA Involvement in the Development of the Social and Environmental Compliance Online Inspectors' Training Course

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History and Background

- ▶ Principles of Environmental Compliance and Enforcement Handbook
 - ▶ Developed in 1992 by the USEPA in consultation with the governments of the Netherlands and Poland
 - ▶ Last updated in 2009
- ▶ “Conducting Environmental Compliance Inspections” Training
 - ▶ In person
 - ▶ Collaboration between INECE and EPA
 - ▶ First piloted in Malaysia in 2001
 - ▶ 1-day and 3-day options
- ▶ EPA became involved in updating the international inspectors’ training about 2 years ago
 - ▶ Making the information online-friendly
 - ▶ Update outdated information (new technologies, etc.)

EPA's Basic Inspector Training

- ▶ Used EPA's online basic inspector training as a basis for the IDB training content
- ▶ Compared the older international inspector training course to EPA's newer BIT
- ▶ BIT curriculum covers the fundamentals of environmental compliance monitoring inspections
- ▶ Needed to generalize the United States-focused practices to apply to anyone
- ▶ Compared scope, duration, and audience to determine what we wanted to change

IDB Training Content Development

- ▶ Used EPA's current Basic Inspector Training (that all inspectors with federal credentials are required to take) to provide information on eleven topics that the IDB requested:
 - ▶ Legal authority
 - ▶ Identifying various rationale for inspection
 - ▶ Targeting/facility selection tools and decisions
 - ▶ Inspector credentials
 - ▶ Integrating observations of facility operations and practices with regulatory citations
 - ▶ Being an effective witness
 - ▶ Records review
 - ▶ Certifications and calibrations
 - ▶ Electronic inspection recording devices
 - ▶ Inspection materials
 - ▶ Post-inspection actions

Scope of the Inspectors' Training

- ▶ Goal was to have content applicable to any environmental compliance inspector from any country
 - ▶ Not media-specific
- ▶ The content addresses basic environmental enforcement issues and techniques that are common across country lines
 - ▶ Enforcement and compliance overviews
 - ▶ Inspection planning, targeting, and facility selection
 - ▶ Field inspection structure, steps, actions
 - ▶ Collection of evidence
 - ▶ Sampling planning and techniques
 - ▶ Procedures for gathering evidence and field documentation
 - ▶ Writing a successful inspection report and how convey findings
 - ▶ Post inspection activities and the potential enforcement outcomes
- ▶ Must be accessible online at any time at no cost

New Training Requirements and Topics

- ▶ Flexible Learning
 - ▶ Access training anytime and anywhere, online, self-paced
- ▶ Easy future language translation (used to be taught in person only in English)
- ▶ Technological advances
 - ▶ Drone monitoring
 - ▶ Satellite imagery (Google Earth, Arc GIS), thermal imagery
 - ▶ From “pen and paper” to electronic recording devices
 - ▶ Smart phones/tablets, integrated software programs
- ▶ Social issues
 - ▶ Environmental justice and equity

Challenges

- ▶ Had to make the training applicable to any country, legal, or cultural setting
- ▶ Could not refer to U.S. Laws and regulations
- ▶ Had to keep in mind differences in:
 - ▶ Access to technologies
 - ▶ Tablets, drones, advanced monitoring cameras
 - ▶ Social/Cultural aspects
 - ▶ Community engagement, gender roles
 - ▶ Regulatory frameworks
 - ▶ Various statutory and regulatory programs, cooperative federalism between national and state/city regulations
 - ▶ Enforcement practices
 - ▶ Focus on certain sectors, broad government campaigns vs. localized enforcement, public complaints
 - ▶ Economic Contexts
 - ▶ Varying levels of resource allocation and infrastructure
 - ▶ Compliance promotion
 - ▶ regulatory and non-regulatory approaches: education, voluntary programs, self-reporting



Questions?

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