

## Class 1

### 1. Foundational Skill Development: Reading and Interpreting Regulations / Conducting Internal Audits

#### Course Description:

This course develops foundational skills for environmental compliance within electric distribution operations. Participants learn how to read and interpret federal and state environmental regulations relevant to daily operations such as Environmental Protection Agency (EPA) and state equivalent agencies.

#### Learning Objectives:

1. Locate key regulatory requirements that apply to electric distribution activities (e.g., SPCC, RCRA, EPCRA).
2. Understand key terms in the regulatory rulemaking process, comment periods, preambles, and guidance documents.
3. Understand how to navigate EPA and state-equivalent websites to find and determine applicability of environmental regulations.
4. Set up alerts for notifications of changes to applicable regulations from the Federal Register and the Code of Federal Regulations.

### 2. Spill Prevention, Control, and Countermeasures (SPCC)

#### Course Description:

This course provides an in-depth understanding of the SPCC regulations under 40 CFR Part 112 and their application in electric utility operations. Participants will learn the purpose of the SPCC rule, how to comply with the federal regulations, develop compliant SPCC Plans, conduct inspections, and implement spill countermeasures.

#### Learning Objectives:

1. Explain SPCC requirements specific to oil-filled electrical equipment in storage, in substations, and within the distribution system.
2. Develop compliant plans and procedures for SPCC.
3. Conduct inspections and maintain secondary containment around transformers and oil storage tanks.
4. Respond appropriately to spills and document corrective actions in compliance with the SPCC plan.

## Class 2

### 3. Polychlorinated Biphenyls (PCBs) in the Electric Industry

#### Course Description:

Participants will gain an understanding of the EPA regulations governing the use, storage, clean up, and disposal of PCBs, with emphasis on electric distribution equipment. The course covers proper set of storage areas, inspections, identification, labeling, and recordkeeping, and manifesting and disposal requirements for PCB and PCB-contaminated materials. The course also discusses cleanup requirements, techniques, and training for clean up crews for recent and long term spills.

#### Learning Objectives:

1. Describe the EPA regulatory framework for managing PCBs under 40 CFR Part 761.
2. Identify PCB-containing electrical equipment and implement proper sampling, storage and disposal of PCB and PCB-contaminated materials.
3. Maintain complete and accurate PCB records, annual documentation and reports are required by federal regulations.
4. Understand proper clean up requirements for recent and historical spills including training, sampling, and disposal requirements.

### 4. Mineral Oil and PCB-Containing Oil Spill Response

#### Course Description:

This course provides comprehensive training on safe and compliant response practices for oil spills in electric distribution systems. Participants learn how to contain and clean up mineral oil and PCB-containing oil released from transformers, regulators, and breakers. The course emphasizes spill response protocols, cleanup techniques, regulatory reporting, and effective coordination with emergency responders.

#### Learning Objectives:

1. Differentiate response procedures and containment strategies for mineral oil and PCB-containing oil spills in electric distribution environments.
2. Implement compliant cleanup, waste classification, and disposal methods to ensure regulatory compliance.
3. Complete spill documentation and reporting and coordinate effectively with internal teams and external emergency responders.

## Class 3

### 5. Waste Generation, Management, and Disposal

#### Course Description:

This course provides an overview of the regulatory framework and best practices for managing waste streams generated by electric distribution activities. Participants will learn how to properly classify, label, store, and transport wastes—including hazardous, non-hazardous, universal, and electronic materials—in compliance with the Resource Conservation and Recovery Act (RCRA) and Department of Transportation (DOT) requirements.

#### Learning Objectives:

1. Classify and manage hazardous, non-hazardous, universal, and special wastes generated from electric distribution operations in accordance with RCRA and DOT regulations.
2. Apply compliant labeling, storage, packaging, and transportation practices, including manifesting and maintenance of waste accumulation areas.
3. Implement waste reduction and recycling strategies to promote sustainable utility operations.

### 6. Recycling and Sustainability

#### Course Description:

This course highlights recycling and sustainability initiatives within electric distribution systems. Participants learn proper recycling procedures for metals, wires, wood poles, and equipment, as well as recovery and handling of SF<sub>6</sub> from breakers and switchgear.

#### Learning Objectives:

1. Identify recyclable materials generated from electric distribution activities and apply proper segregation and storage methods.
2. Implement safe handling, recovery, and emissions tracking procedures for SF<sub>6</sub> and other specialized materials.
3. Develop and execute site-specific recycling and sustainability plans to reduce waste and minimize environmental impact.

## Class 4

### 7. Emergency Planning and Community Right-to-Know Act (EPCRA)

#### Course Description:

This course provides an overview of the Emergency Planning and Community Right-to-Know Act (EPCRA) and its relevance to electric utility operations. Participants will learn about Sections 302–312, which govern facility emergency planning, coordination with Local Emergency Planning Committees (LEPCs), and community hazard communication.

#### Learning Objectives:

1. Explain the purpose and key provisions of EPCRA Sections 302–312 and their applicability to electric utility operations.
2. Prepare and maintain accurate chemical inventories and required Tier II and Form R reports in compliance with regulatory requirements.
3. Coordinate with local and state emergency planning entities to ensure effective communication, notification, and community preparedness.

### 8. Stormwater Management

#### Course Description:

This course provides comprehensive guidance on stormwater permitting and management requirements for electric distribution construction activities under the National Pollutant Discharge Elimination Systems (NPDES) program and applicable state aquatic resource regulations. Participants will learn how to identify when permits are required, implement effective erosion and sediment control best management practices, and maintain compliance documentation such as Stormwater Pollution Prevention Plans (SWPPPs) and inspection records.

#### Learning Objectives:

1. Determine when electric distribution industrial and construction activities require NPDES or Aquatic Resources Alternations Permit (ARAP) coverage.
2. Implement erosion and sediment control BMPs to prevent stormwater pollution and sediment runoff.
3. Prepare and maintain compliant SWPPP documentation and inspection records for ongoing regulatory compliance.

### 9. Construction Spoils

#### Course Description:

This course focuses on managing construction spoils — soil, rock, and debris — generated

during electric distribution and substation work. Topics include classification, reuse, and disposal practices to ensure environmental compliance.

## **Learning Objectives:**

1. Identify and classify construction spoils generated from trenching, boring, and foundation work in electric distribution projects, including relevant regulatory considerations.
2. Apply best practices for segregation, reuse, and disposal of construction spoils to minimize environmental impact and disposal volumes.
3. Document and report spoil management activities to ensure compliance with environmental regulations.

## Class 5

### 10. Asbestos Management, Manifesting, and Shipping

#### Course Description:

This course provides guidance on managing asbestos-containing materials (ACM) in electric utility facilities and field environments. It covers identifying ACM in vaults, conduits, and older structures, performing small-scale abatement projects safely, and complying with EPA NESHAP, OSHA, and DOT regulations for packaging, manifesting, shipping, and contractor oversight under Asbestos Operations and Maintenance (O&M) Class III requirements.

#### Learning Objectives:

1. Apply regulatory and safety requirements for asbestos management, including NESHAP, OSHA, PPE, confined space procedures, air monitoring, and notification/clearance protocols.
2. Plan and execute asbestos abatement projects safely, including sampling, small-scale work, project execution, and post-abatement verification.
3. Manage asbestos waste and documentation by performing proper manifesting, DOT shipping, contractor oversight, and reporting to ensure compliance.

### 11. Foundational Skill Development: Preparing for Regulatory Inspections

#### Course Description:

This course equips participants with tools and techniques to prepare for environmental regulatory inspections by state and federal agencies. It emphasizes the use of compliance calendars, training matrices, and legal registers to demonstrate ongoing compliance.

#### Learning Objectives:

1. Maintain compliance tools by developing and updating calendars, training matrices, and legal registers to track regulatory obligations and inspection deadlines.
2. Interpret and apply environmental regulations from federal and state codes, permits, and industry standards to utility operations.
3. Translate regulatory requirements into actionable procedures to ensure ongoing compliance and readiness for inspections.