



FAC 0101 Water Intrusion Response

Course Syllabus

Subject Category: Facilities

Course Length: 1 Hour

Medical Approval: No

Course Mode: In-person Small Group and Hands On

Course Purpose:

This course provides Facilities and Operations personnel with the knowledge and skills needed to respond safely and effectively to water intrusion incidents. It focuses on initial response actions, hazard assessment, and coordination with EHS, ESO, and other support teams to ensure personnel safety, protect property, and minimize operational impacts. The course is based on LBNL's Facilities Water Intrusion Response procedures and best practices.

Learning Objectives:

- Identify the initial response steps to a water intrusion event, including securing the area and notifying the SOC.
- Assess potential hazards such as radiological, electrical, and chemical contamination.
- Determine appropriate PPE and use pH test strips as part of water assessment.
- Distinguish between Category 1 (Clean), Category 2 (Gray), and Category 3 (Black) water and describe the appropriate response for each.
- Coordinate with EHS and Waste Management for safe water disposal and contamination verification.
- Follow procedures for drying, EHS confirmation, and restoration of affected areas.

Training Requirements / References:

- LBNL Facilities Water Intrusion Response Process

Instructor:

Course Instructional Materials:

PowerPoint presentation with voice-over narration, group discussion, and scenario-based demonstrations.

Practical or Performance Assessment / Exam:

Yes – Participants demonstrate ability to assess a water intrusion scenario, identify hazards, select proper PPE, and describe notification and coordination steps.

Retraining / Recertification:

None required unless procedures or response protocols are updated.

Course Evaluation:

None