

# Applied Microbial Remediation Training

## **Day 1: Principles of Mold & Sewage Damage Remediation**

### **Microbiology**

- Ecology of Sewage Related Organism
- Ecology of Fungal Organism
- Organisms of Concern
- Health Effects

### **Antimicrobials**

- Biocides
- Uses Precautions
- Regulations
- Pros & Cons

### **Safety**

- OSHA Requirements Related to Mold & Sewage
- General Duty
- Hazard Communication
- Personal Protection
- Respiratory Protection Selection
- Cartridge Selection
- Exposure Risks
- Signs & Symptoms
- Engineering Controls

## **Day 2: General Remediation Procedural Methods**

### **Containment**

- Purpose
- Construction Methods & Materials
- Examples of Containment Types
- Entry/Exit Chambers & Controls

### **Air Flow & Pressurization**

- Air Filtration Devices
- Filter Selection
- Filter Change & Maintenance
- Calculations for Contaminant Control
- Air Flow
- Make Up Air
- Back Drafting
- Using Manometers
- Setting Up Negative Air vs. Scrubbers

## **-Day 2 (Continued)**

### **Remediation Principles**

- Demolition
- Disposal
- Removing Mold from Remaining Surfaces
- Detailed Cleaning

## **Day 3: Classroom and Hands-On**

### **Hands-On:**

- Wearing PPE
- Containment
- Mini-Containment
- Decontamination Chambers
- Air Filtration Devices
- Pressurization
- Demonstrations
- Demolition
- Disposal
- Remediation Wood Framing
- Detailed Cleaning
- Performing a Visual Evaluation
- Containment Disassembly

### **Classroom:**

#### **Standards & Guidelines**

- IICRC S500
- IICRC S520
- EPA's Mold Remediation in Schools and Commercial Buildings
- New York City Guidelines

## **Day 4: Practical Applications**

### **Remediation Procedures**

- Sewage Procedures
- Contents Procedures
- Crawlspace Sewage Procedures
- Case Study- Mold