## Session 1: Sanitary Surveys - Approximate time: 3 hours

Trainers: Lori Blau & Claire Miller

## Introduction (approximate run time 20 minutes)

- A. Topic, Moderator/Presenter, Organization Introductions (approximate time <u>5 minutes</u>)
- B. How to interact with the platform (approximate time *5 minutes*)
- C. Audience Polls/Topic Knowledge pre-quiz (approximate time 10 minutes)

# What is a Sanitary Survey and why do we do them? (approximate run time <u>20 minutes</u>)

#### Poll 3: Have you been through a sanitary survey before?

- A. What is a sanitary survey?
- B. Why do we do them?
- C. Who performs sanitary surveys
- D. Who should attend the survey?

5 minute Stretch Break - Think about what we have covered so far. Type any questions into the chat box.

## How do I prepare for a sanitary survey? (approximate run time 45 minutes)

- A. Prepare Records
- B. Field Checklist (prior to survey)

5 minute Stretch Break - Think about what we have covered so far. Type any questions into the chat box.

#### During the Survey (approximate run time 30 minutes)

- a. Poll 5: Do you have ground water system, surface water or GWUDI
- b. Poll 6: Do you have disinfection?
  - A. Records Review
  - B. Field Inspection
    - a. For groundwater systems,
    - b. For surface water systems
    - c. For springs
    - d. Storage Tanks
    - e. Pressure Tanks
    - f. Pressure Relief Valves

#### Typical form used (approximate run time <u>20 minutes</u>)

A. Walk thru R10 Tribal Form

## After the Survey (approximate run time 10 minutes)

- A. Surveyor compiles information & sends to Primacy Agency
- B. Significant Deficiency vs. minor deficiency
- C. Addressing Deficiencies

## Review (approximately 25 minutes)

- A. Review of topics covered (approximately *10 minutes*)
- B. Questions and Open Discussion Period (approximately 10 minutes)
- C. Topic Knowledge post quiz (5 minutes)

## **Total Session Time: 3 hours**

- Training will be done on the Go To Training (GTT) platform
- Attendee participation will be tracked through GTT data reports, including pre- and posttests, poll questions, chat box interaction.

## <u>Session 2: Drinking Water Source Protection - Approximate Time 2.5</u> hours

Trainers: Mario Casillas & Claire Miller

#### **Introduction (approximate run time 15 minutes)**

- A. Topic, Moderator/Presenter, Organization Introductions (approximate time 5 minutes)
- B. How to interact with the platform (approximate time 3 minutes)
- C. Audience Polls/Topic Knowledge pre-quiz (approximate time 7 minutes)

## **Understanding Source and Wellhead Protection (approximate run time 60 minutes)**

- E. Source types
- A. Ground Water
- B. Surface Water
- C. Ground Water under the Influence of Surface Water
- F. Risks associated with each Source type
  - 1. Ground Water
- D. Surface Water
- E. Ground Water under the Influence of Surface Water
- G. Benefits and Incentives for Source Water Protection
  - a. Case Study

## Break 5 minutes: Type into the chat box any questions you have up to this point.

# Well Construction Standards And Aquifer Protection Concerns (approximate run time 60 minutes)

- C. Well types
  - 2. Casings
- F. Pumps
- G. Drilling standards
- D. Aquifer Protection Concerns
  - 3. Sanitary Defects
- H. Pathways of contamination

#### **Conclusion (approximately 15 minutes)**

- D. Review of topics covered (approximately 2-3 minutes)
- E. Questions and Open Discussion Period (approximately 7-8 minutes)
- F. Topic Knowledge post quiz (5 minutes)

#### **Total Session Time: 2.5 hours**

- Training will be done on the Go To Training (GTT) platform
- Attendee participation will be tracked through GTT data reports, including pre- and post- tests, poll questions, chat box interaction.

## <u>Session 3: Identifying & Resolving Cross Connections – Approximate</u> time: 3 hours

Trainers: Neil Worthen & Lori Blau

# Introduction, tools tour and pre-test (15 min) Module 1 - What is a Cross-Connection? (40 min)

- A. Definition of cross connections
- B. Causes of cross connections
- C. Hazards of cross connections
- D. Identifying cross connections

Short bio break (5 min) Come back & type in the chat box: After hearing this, can you think of potential cross connections in your system?

#### Module 2 - Cross connection control methods (30 min)

- A. Backflow prevention devices descriptions
- B. Backflow prevention devices selection and installation
- C. Premises isolation vs. fixture isolation

## Module 3 - Implementing a cross connection control program (30 min)

- A. Establishing legal authority
- B. Budgeting and funding
- C. Conducting cross connection surveys

Short bio break (5 min) - Type in the chat box: Do you have a CCCP?

#### Module 3 - Implementing a cross connection control program (continued) (30 min)

- A. Time and training requirements
- B. Inspection and testing of backflow prevention devices
- C. Response to backflow incidents
- D. Recordkeeping
- E. Customer outreach and education

## Module 4 - Case studies and group problem solving (15 min)

Wrap-up, Q&A, post test, course evaluation (15 min)

#### **Total Session Time: 3 hours**

- Training will be done on the Go To Training (GTT) platform
- Attendee participation will be tracked through GTT data reports, including pre- and posttests, poll questions, chat box interaction.

## <u>Course 2, Session 4: Sampling & Reporting Requirements – Approximate</u> Time: 2.5 hours

Trainers: Mario Casillas & Lori Blau

### **Introduction (approximate run time 15 minutes)**

- A. Topic, Moderator/Presenter, Organization Introductions (approximate time 5 minutes)
- B. How to interact with the platform (approximate time 3 minutes
- C. Audience Polls/Topic Knowledge pre-quiz (approximate time 7 minutes)

### Overview of Sampling and reporting requirements (approximate run time 30 minutes)

- A. Refresher of the Safe Drinking Water Act
  - 1. History
  - 2. Overview
  - 3. Sampling Requirements

## Sample Collection, processing and analysis (approximate run time 60 minutes)

- A. Coliform Sampling
- B. Inorganic Chemical Sampling
- C. Organic Chemical Sampling
- D. Disinfection By-Products (DBP) sampling

#### **5 Minute Break**

## **Understanding Laboratory Requirements (approximate run time 30 minutes)**

- A. Chain of Custody
- B. Validation of sample
- C. Documentation and recordkeeping

#### **Conclusion (approximate time 15 minutes)**

- A. Review of topics covered (approximately 2-3 minutes)
- B. Questions and Open Discussion Period (approximately 7-8 minutes)
- C. Topic Knowledge post quiz (5 minutes)

#### **Total Session Time: 2.5 hours**

- Training will be done on the Go To Training (GTT) platform
- Attendee participation will be tracked through GTT data reports, including pre- and posttests, poll questions, chat box interaction.

# <u>Course 2, Session 5: Leak Prevention & Repair - Approximate Time: 3</u> hours

Trainers: Jason Carman, Lori Blau

#### **Introduction (approximate time 20 minutes)**

- A. Topic, Moderator/Presenter, Organization Introductions
- B. How to interact with the platform
- C. Audience Polls
- D. Pretest

### **Overview of Leak Detection (approximate time 40 minutes)**

- A. Overview of leak detection
- B. Three main break scenarios (Poll)

Break - 10 minutes - enter in the chat box any questions you have on the material so far

## Reviewing the components of an Emergency Response Plan (approximate time 30 minutes)

A. Review the required components of an ERP

## Public Notification Language for possible Water Outages (approximate time 30 minutes)

- A. Door Hangers
- B. Scenarios for public notifications
- C. Poll

#### Break - 10 minutes - enter in the chat box any questions you have so far

#### Proper Construction Practices & Testing for Leaks (approximate time 20 minutes)

- A. Review best management practices for main repair
- B. Leak testing

# Disinfection of repaired or new water mains and Bac-T Testing (approximate time 20 minutes)

- A. Review of AWWA C6561-14
- B. Poll

#### **Conclusion (approximate time 20 minutes)**

- A. Review material
- B. Discussion
- C. Post Test

#### **Total Session Time: 3 hours**

- Training will be done on the Go To Training (GTT) platform
- Attendee participation will be tracked through GTT data reports, including pre- and posttests, poll questions, chat box interaction.