FDA/State Joint Water Systems Workshop

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Purpose

- The Water Systems Workshop aims to promote greater understanding of water systems, water distribution equipment and connections, and water assessments, including FDA's Ag Water Builder Tool. This workshop is designed to be interactive using presentations that encourage discussions, scenario-based small group breakouts, and hands-on activities. The workshop is structured to accommodate regional considerations within the content with the intended audience of growers, extension, and regulatory staff. This workshop will cover Subpart E (112. 41–112.50) with focus on 112.42.

Goals

- Determine known or reasonably foreseeable hazards associated with different water sources and distribution systems.
- Evaluate water system equipment and other measures that can be used to protect water on the farm.
- Demonstrate how to assess water sources and the water distribution system for known or reasonably foreseeable hazards.
- Evaluate the appropriate resources and potential solutions for water quality on the farm.

Learning Objectives

- Identify the most up to date information regarding the Pre-Harvest Agricultural Water Rule.
- Interpret the application of water assessment resources for agricultural water.
- Determine what is happening in each scenario to increase or decrease the known or reasonably foreseeable hazard associated with the ag water equipment being used.
- Differentiate equipment uses within a water distribution system.
- Appraise the location of the equipment within water distribution systems with considerations for the associated produce safety impacts.
- Assess equipment from water sources and within the water distribution system.
- Evaluate the contributing factors (i.e., animals, crop characteristics, land use) surrounding water systems for known or reasonably foreseeable hazards.
- Formulate considerations for application of a water system assessment.
- Understand pesticide label considerations in water treatment.
- Summarize ag water known or reasonably foreseeable hazards that affect the safety of fresh produce for human consumption.
- Execute a water system assessment utilizing the water assessment builder tool.

Audience/Registration

- Produce farm employees including farm owners, growers, farm workers, food safety personnel, etc. that will be implementing the Produce Safety Rule.
- Regulatory staff and other state officials that will be enforcing the Produce Safety Rule.
- Produce safety educators/Extension personnel that educate produce growers about the Produce Safety Rule. Those educators who are interested in hosting a Water Systems Workshop in the future.
  - This training may be delivered solely to growers, regulators, or educators OR all three audiences are welcome to attend one workshop together.
- Registration must be capped at 30 attendees to promote discussion, allow optimal viewing of demonstrations, and allow for all attendees to participate in hands-on activities.
- Prerequisite:
  - All attendees must have previously attended a Produce Safety Alliance Grower Training Course.
- Cost:
  - You may utilize a registration fee that attendees must pay to attend the Water Systems Workshop. This fee may be utilized to cover any incurred expenses of hosting a Water Systems Workshop including demonstration equipment, handouts, etc.

Delivery/Location

- The location for the workshop must include:
  - Audio/visual connections for PowerPoint presentations
  - Seating, at desks/tables, for all attendees
  - Access to at least 2 pre-harvest/harvest/post-harvest water sources/systems. Options include:
    - Well water source
    - Municipality water connection
    - Surface water source
      - Lake
      - Pond
      - Canal
      - Channel
      - River
    - Additional system options:
      - Recycled water connection
      - Produce packinghouse

Timeline

- Reach out to your region's FDA PSN 6 months prior to when you would like to host the workshop.
- Work with the PSN to organize your group of instructors for the workshop.
- Plan with and train instructors beginning approximately 3 months prior to the workshop.
- Advertise the save the date 2 months prior to the workshop.
- Open registration 6 weeks prior to the workshop.
- Close registrations 2 weeks prior to the workshop.
- Host workshop.
- Send FDA PSN pre-/post-test results and evaluation responses within 4 weeks after the workshop.

Agenda

8:00AM: Registration, Distribute Resources, and Pre-Test

8:30AM: Module 1: Welcome and Introductions *(PowerPoint)*

9:00AM: Module 2: FDA Rule on Pre-Harvest Agricultural Water & Assessment Builder *(PowerPoint)*

9:30AM: Module 3: Elements of a Water Systems Assessment *(PowerPoint)*

10:00AM: Break

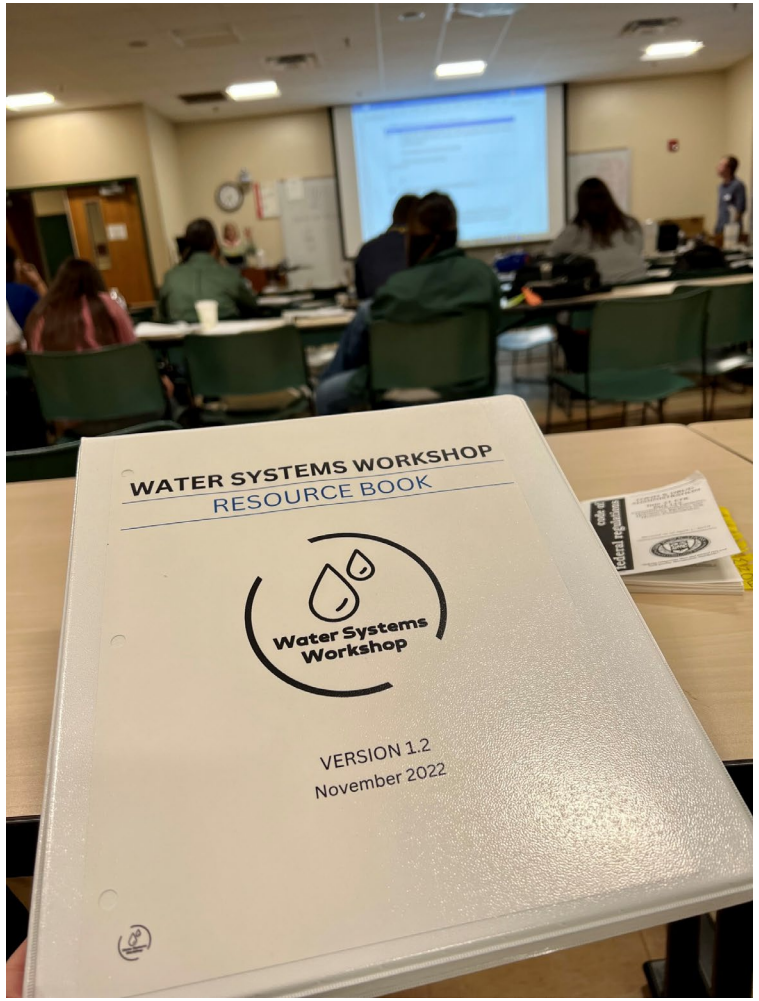
10:10AM: Module 4: Best Practices for On-Farm Ag Water- Connections and Equipment *(Group Activity)*

11:00AM: Break

11:10AM: Module 5: Assessing Water Distribution Equipment *(PowerPoint, Handbook, & Demonstration)*

12:10PM: Lunch

FDA Rule on Pre-Harvest Agricultural Water & Assessment Builder



Assessing Water Distribution Equipment

Assessing Water Distribution Equipment- Activity

1

2

3

4

Agenda

12:50PM: Module 6: Assessing Water Systems- In the Field *(Tour)*

2:15PM: Break

2:25PM: Module 7: Assessing Risks from Water Used on Produce Farms *(PowerPoint)*

3:25PM: Break

3:35PM: Module 8: Water Treatment *(PowerPoint)*

3:45PM: Module 9: Assessing and Mitigating Risk: Tying It All Together *(Activity)*

4:45PM: Wrap-up and Post-Test

5:00PM: Optional Office Hours- Question and Answer Session

6:30PM: Conclude

Assessing Water Systems- In the Field

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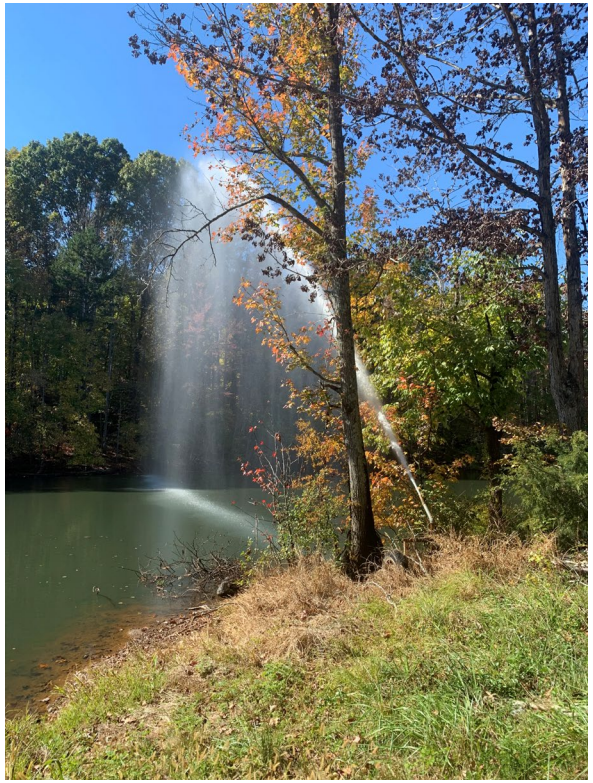

Materials/Cost

- Binder for each attendee with agenda, PowerPoints, and activities
- Resource book for each attendee
- Water equipment handbook for each attendee
- Name tag for each attendee
- Pen for each attendee
- Highlighter for each attendee
- Post-it notes for each attendee
- Post-it easel pad for classroom
- Pre-test for each attendee
- Post-test for each attendee
- Demonstration materials:
  - Pieces of water equipment or water equipment info pages
  - Any materials needed to set up potential scenarios/talking points in the field at the water systems/source

Materials/Cost

- Other potential costs:
  - Training room reservation
  - Research station/farm location reservation
  - Meals, snacks, water, etc.
  - Restroom facility rental/access
  - Transportation for attendees between stations in the field if needed
    - Registration fee may be utilized to cover any incurred expenses

Feedback/Benefits

- Great experience
- Enjoyed having a varying group of attendees that could share their experiences
- Great hands-on experience
- Information on assessing risks from water is a big part of what I need to learn about; my farming experience does not include a lot of water experience so this is new and helpful
- This was an interesting topic, I do no know a lot about how wells are set up so it was interesting to see all the parts and pieces.
- Activities brought up a variety of discussions. Instructors and students took part in asking and answering questions. Wide range of products and rain/water sources to be discussed.
- Great way to get thinking

Feedback/Benefits

- Good conversation on situational awareness
- This is a great workshop. Instructors were very knowledgeable and I felt very comfortable to ask questions. Great lunch and location. Farm tour really added value.
- Very well organized and an abundance of resources
- Small group size and hands on water system approach were critical to the success of the workshop
- The resource book and water distribution equipment book are good tools to have, the equipment book will be handy to take out in the field.

Thank you

- This presentation is supported by the Food and Drug Administration (FDA) of the U.S. Department of Health and Human Services (HHS) as part of a financial assistance award U2FFD007440 totaling $2,658,315 with 100 percent funded by FDA/HHS. The contents are those of the authors and do not necessarily represent the official views of, nor an endorsement, by FDA/HHS, or the U.S. Government.