



**USAID**  
FROM THE AMERICAN PEOPLE

# II. SPECIAL TOPIC: WATER PROVISION

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GLOBAL ENVIRONMENTAL  
MANAGEMENT SUPPORT

# SPECIAL TOPIC: WATER PROVISION

## Learning Outcomes

1. Understand nature of USAID water provision activities
  - a. WASH
  - b. Irrigation
  - c. Water treatment
2. Discuss potential adverse impacts
3. Familiarize with tools and resources for environmental management and oversight



# WATER PROVISION ACTIVITIES

- Central to many development objectives
- Underpins public health + sustained economic growth
- USAID objective = “Safe Water”





## RISKS AND CHALLENGES

- Can adversely impact human, environmental health
- Local environmental conditions, capacity, and host-country requirements can vary widely
- Water quality monitoring often especially challenging

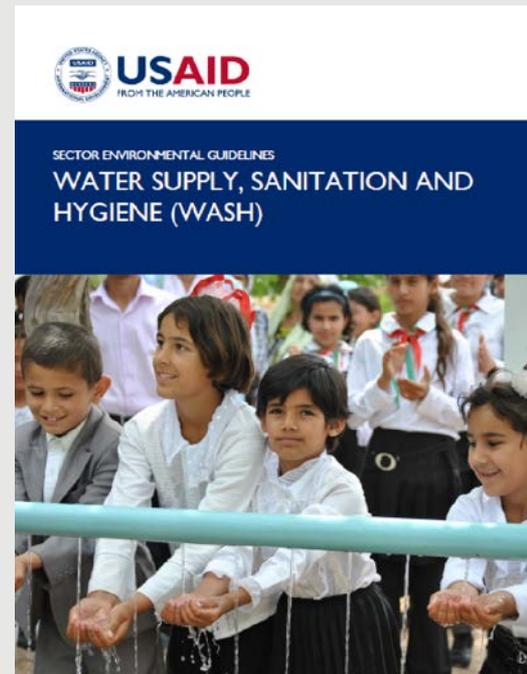
# SAFE DRINKING WATER: FACTORS FOR SUCCESS

- Clear and consistent host country regulations
- Coordination with host country institutions
- Structured community operation and maintenance of water points
- Access to well-equipped and well-staffed laboratories
- Adequate host-country personnel and expertise
- IP experience and effective resource management
- Water quality requirements in contracts and awards



# RESOURCES: SECTOR ENV. GUIDELINES

- Provides “plain-language” guidance for sound design and management
- Identifies typical risks, impacts, and recommendations for mitigation and monitoring approaches
- Water Supply, Sanitation and Hygiene (WASH) SEG recently revised and under review



# RESOURCES: INTERACTIVE TOOLKIT

- Developed for USAID activity managers and practitioners
- Used during project design and planning (e.g., PAD stage)
- Identifies necessary elements of safe drinking water provision
  - Monitoring
  - Protection
  - Governance



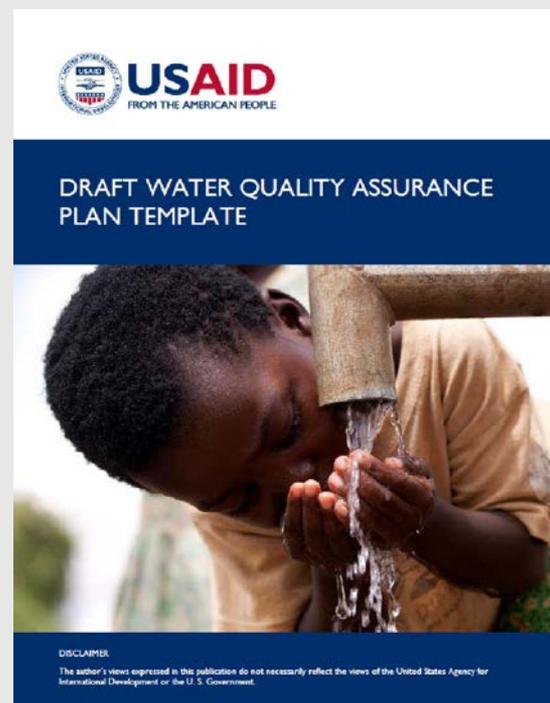
# RESOURCES: WATER QUALITY ASSURANCE PLAN

- Assesses applicable standards and criteria
- Specifies project-level water quality monitoring
  - Initial testing
  - Sampling and lab analysis
  - Ongoing monitoring
- Defines corrective measures
- WQAP requirement established in IEE (or EA)



# TEMPLATE WQAP

- Complements existing resources
- Builds on best practice approach
- Meets same objectives as EMMP in a water-specific context



# SUMMARY

- Water provision is vital to USAID programming
- Environmental compliance is closely linked to human health
- Requires specialized mitigation and monitoring
- Targeted tools, resources and best practice approaches are available
- “Safe Water” is the right goal, but remains a complex challenge

