

RAM-WSM Workshop for Large Water Utilities

- Description:** This workshop presents a security risk assessment methodology for water utilities. Major elements include:
- Planning
 - Threat assessment
 - Facility characterization
 - System effectiveness
 - Risk management
- Content Modules:** There are thirteen content modules that consist of lecture and group activities. Group exercises are used extensively throughout the workshop to help reinforce learning objectives.
- Requirements:** Participants are requested to bring a systems diagram of their entire supply, treatment, and distribution system, as well as statistical information on all major facilities. Information to include:
- Major pumping stations
 - System capacity and redundancy
 - Water treatment processes
 - Chemical employed
 - Wells: capacity and number
 - Major storage reservoirs: capacity and number
 - Average daily demand
- Participants:** Individuals who should attend this workshop:
- Managers responsible for security
 - Consultants working with water utilities
- Security:** This workshop is unclassified but the training materials are proprietary and for Official Use Only.
- Title:** Risk Assessment Methodology for Water (RAM-WSM)
- Duration:** 3 days

RAM-WSM Workshop for Large Water Utilities

Method: Lecture
Guided Discussions
Group Exercises

Classification: Unclassified

Goal: To introduce participants to the entire process of Risk Assessment of Critical Facilities as applied specifically to large water utility systems.

SCHEDULE

	Day One	Day Two	Day Three
8:00	Registration, Welcome	Review, Questions, Discuss Congressional Testimony	Review, Questions, Discuss Operational Changes post 9/11
9:00	Introduction (1.0)	Facility Characterization (5.0)	System Effectiveness (8.0)
		Customize the Fault Tree (5.1)	
10:00	<i>Break</i>		<i>Break</i>
	Decisions and Risk (2.0)	<i>Break</i>	Risk Analysis (8.1)
11:00	Planning for a Security Risk Assessment (3.0)	Consequence Assessment (5.2)	Risk Reduction (9.0)
12:00	LUNCH	LUNCH	LUNCH
1:00	Planning for a Security Risk Assessment (3.0) <i>cont.</i>	Existing Physical Protection System (5.3)	Final RAM-W SM Report (10.0)
2:00		<i>Break</i>	Emergency Management (11.0)
	<i>Break</i>	SCADA Assessment Methodology (5.4)	Group Presentations (12.0)
3:00	Threat Assessment (4.0)	PPS (6.0)	
	<i>Break</i>	<i>Break</i>	
4:00	<i>Break</i>	Physical Protection Technologies (7.0)	Summary and Review (13.0)
	Cyber Threat (4.1)		
5:00			