How Vulnerable am I, really?

Other threats to Water and Wastewater Facilities

Agenda

- Why are we here?
- Legislation Review
- One Possible Weapon
- What would happen if...

Review of Security Regulations

- Required measures pursuant to U.S.A. 1996
- Based on Scenario and non-responding communities of the United States
- Water and wastewater facilities not covered in full of the natural
- Potential that "bottom line" depends on federal elements or the system

Review of Current Law

Terrorism and tragedy

- Legislation that (1) polices, (2) VISA, and (3) improve the national system in which we live and work.

- U.S. Senate Joint Resolution 362 of the 103rd Congress was passed on March 23, 1994.
- White House Executive Order 12837 (Undertaking Higher Standards in Federal Contractor Procurement) was signed by President Clinton on December 31, 1995.
- The order was published in the Federal Register on August 15, 1995.
**Review of Pending Legislation**

- House of Representatives passed the "National Defense Authorization Act 2013" on 8 May 2012; due to be signed by the President.
- Legislation is under review and approval.
- Provide details on key sections and implications.

**Other Legislation of Interest...**


**But...**

The House passed the "National Defense Authorization Act" recently. It is being debated in the Senate. The key issues are: homeland security, financial aid for local governments, and defense spending.

Currently, the bill includes provisions for increasing American citizenship and immigration security measures. Senate defense hawks want to see more money for counter-terrorism efforts, while "legislative time-out" is being sought by some in the Senate.

**So, should I worry about security against terrorists?**

- Yes, if we want to ensure our country stays safe and secure.
- The government is taking measures to improve security, but more can be done.
- We need to be vigilant and support our security forces.
- The size of the government and the available resources are key factors.

**Other Legislation of Interest...**

- Support and approval are growing, but debates and discussions continue.
- The legislation is expected to be signed soon and will impact many areas of national security.

**One Potential Weapon...**

- Nuclear.
- Deadly and effective.
- High potential for destruction.
- No operator training or skills required.
- Legal to own.
- May even be available on black markets.
One Potential Weapon...

Once inside...

Illegal Entry

- How many windows does your facility have?
- Are they bricked from view?
- Are they Easy to lift?
  - If one is broken, when will you find out?

What do these mean to you?

- Repair or replacement costs.
- Maintenance or service problems.
- Possible cost to bypass pump or gasoline pump.
- Loss of revenue from terrorism.
- Loss of public confidence.

Bricks can even be used to sabotage your own security!

Access to hazardous areas...

- Climbing boards
- Chemical facilities
- Attractive substances
Worst case
- Injury to on site personnel.
- Injury to the intruder.
- Release of toxic substances (CO, gas).
- Illness from contamination.
- DEATH.

OK, so what should I do?
- Establish a reasonable budget that is acceptable to all parties.
- Based on the results of the VA, select improvements that offer the best value.
- Consider security improvements as an ongoing endeavor.

And what happens if the intruder or others are hurt?
- Lawsuits from injured workers or entrances.
- Public outcry.
- Possible litigation from the intruder or intruder's exists.

Top Ten List of Security Measures
- Originally developed by the EPA of New England, slightly modified here.
- Originally designed for small ground water supplies.
- Most are applicable to all water and wastewater systems, as well as other municipal facilities.

So, what can I do?

10. Prepare or Update an Emergency Response Plan
- Prepare a detailed emergency response plan.
- Make sure all employees are aware of the plan.
- Conduct regular drills to test the plan.
- Keep contact information for all employees and other emergency service agencies.

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9. Post updated emergency 24-hour telephone numbers

6. Lock everything
- Look all gates and doors
- Use facilities with unobstructed view
- Set intruder alarms if available
- Use NFPA recommended locks or devices
- Did I mention a security control policy?

8. Coordinate with local law enforcement
- Notify local law enforcement officials about your business
- Ask police and sheriff’s offices if they can provide you with contact numbers for area officers
- Practice emergency responses procedures
- Provide law enforcement with the emergency contacts

7. Install or use fences
- Fences around plant and property
- Develop and enforce a strict key control policy
- Use guard rails to prevent against traffic
- Routinely patrol all facilities

5. Install good security lighting
- Security lights
- Motion sensors

4. Know your suppliers and protect your supplies
- Ensure suppliers are always in the know when handling hazardous substances

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3. Know the neighbors.

2. Identify staff, resources, and...

1. In case of an emergency, dial "911" then follow your EPR!

**Sources for more information**

- USEPA
  - [www.epa.gov/groundwater](http://www.epa.gov/groundwater)
- American Water Works Association
  - [www.awwa.org](http://www.awwa.org)
- Water Information Sharing & Analysis Center (WISAC)
  - [www.wisac.org](http://www.wisac.org)

**Questions or Comments:**

- USEPA
  - [www.epa.gov/groundwater](http://www.epa.gov/groundwater)
  - 800-426-4791
  - info@epa.gov

**In case of an emergency, dial "911" then follow your EPR!**

- Your utility staff are not paid to handle emergencies.
- Your Emergency Response Plan (ERP) is there to help you in an emergency situation.

**3. Know the neighbors.**

- Help make your neighborhood a safe and healthy place to live. Your neighbors can be your first defense against accidents and disasters.

**2. Identify staff, resources, and...**

- Develop a crisis plan.
- Identify key staff.
- Increase facility signage.
- Work with neighborhood associations to keep residents "look out for each other.

**1. In case of an emergency, dial "911" then follow your EPR!**

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