

Risk Assessment “Thinking Outside The Box”

Session Overview

- Introduction
- Group Activity
- Video
- Open Discussion
- Group Activity
- Review

Session Learning Objectives

Participants will:

- ✓ Develop a solid understanding of the Potential Hazardous Events for Municipal Residential Drinking Water Systems and how it applies to different systems
- ✓ Gain knowledge of new and developing potential hazardous events and hazards to consider that expand beyond the minimum requirement

Introduction

Participant Introductions

- Name
- Drinking Water System's Name
- Years of Experience

Handouts and Review

- Potential Hazardous Events for Municipal Residential Drinking Water Systems Document

http://www.downloads.ene.gov.on.ca/envision/env_reg/er/documents/2015/012-5530_Hazard.pdf

- Page 14 only, of the DWQMS 2.0 Standard – Risk Assessment

http://www.downloads.ene.gov.on.ca/envision/env_reg/er/documents/2017/012-5530_FinalStandard.pdf

Group Formation

- Write the population served by your Drinking Water Systems in the card (estimate if needed), and keep the population number hidden.
- Line up in the order of population size (from smallest to largest) without speaking to one another.

Group Formation continued...

- Reveal the population sizes they have written on the cards, and move accordingly again without speaking.
- The group will then be split into two in the middle

Group Activity

- Groups should have a stack of all the Potential Hazardous Events as found in the Potential Hazardous Events for Municipal Residential Drinking Water Systems document on individual laminated cards
- Groups will be given 5-10 minutes to list in order, from largest threat to the smallest threat considering “Detectability, Likelihood and Capability-to-Respond” for each Potential Hazardous Event.
- In other words, rank hazards by associated risk as defined in DWQMS 2.0.

Video

CBC Report on Town of Midland's Ransomware Incident

<https://www.cbc.ca/player/play/1320977987987>

Open Discussion

- No printing documents (C of C and work orders), no telephones for a number of days, no emails, no GIS access, no payroll, no invoices being paid...
- Threat of Social Media's negative influence over Water Systems Operations

Group Activity

- Working in the same groups as before, use Ransomware and Social Media as identified threats. Place them into the list of prioritized threats.
- Discuss the results

Review – Did we accomplish our goals?

- ✓ Develop a solid understanding of the Potential Hazardous Events for Municipal Residential Drinking Water Systems and how it applies to different systems
- ✓ Gain some knowledge of new and developing potential hazardous events and hazards to consider, that expand beyond the minimum requirement.



WCWC is committed to supporting the owners, operators and operating authorities of Ontario's drinking water systems

- Hands-on training
- Helpline
- Drinking Water Resource Library
- Public & on-site courses
- Pilot testing

Visit wcwc.ca for more information!

