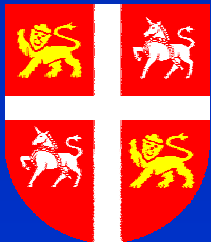


Clean and Safe Drinking Water Workshop - Summary



**GOVERNMENT OF
NEWFOUNDLAND
AND LABRADOR**
Department of Environment

Gander, March 25th,
26th & 27th, 2003

Introductions



- Welcome, opening remarks and keynote address
 - ◆ Zane Tucker, Deputy Mayor of Gander
 - ◆ Hon. R.D. (Bob) Mercer, Minister of Environment
 - ◆ Ken Dominie, Assistant Deputy Minister of Environment

Ken Collicott

R.V. Anderson Associates Ltd.

- Best Practices for Maintaining Water Quality in the Distributions System

- ◆ National Guide to Sustainable Municipal Infrastructure
- ◆ Common water quality problems
- ◆ 21 best practices



Cyril McCarthy

Department of Municipal and
Provincial Affairs

■ Regional Water Systems Operations

- ◆ Status of existing systems
- ◆ What will the operation of water and sewer systems be like in the future?
- ◆ Request feedback on shared water systems operation



Christopher Huyghue

Sansom Equipment Ltd.

- Pumps and Motors in Small Distribution Systems
 - ◆ Basic selection criteria
 - ◆ Recommended connections
 - ◆ Request feedback on shared water systems operation



Garry Palmateer

GAP EnviroMicrobial Services



■ Three Years After Walkerton: *What Have We learned?*

- ◆ How tough it is to reduce bacteria once they are stuck in the bio-film
- ◆ Waterborne pathogens
- ◆ Action plan development
- ◆ Walkerton case study

Richard Laughton

Pollutech Group of Companies Inc.

■ WQ in the Distribution System: *Starting Clean & Staying Clean*

- ◆ What are the water issues?
- ◆ 3P's – plan, produce and protect
- ◆ Testing from bench scale, pilot and full scale



Roger LeDrew Terry Battcock

Department of Government
Services and Lands



- Bacteriological Monitoring of Public Water Supplies in the Province of Newfoundland and Labrador
 - ◆ Who is involved in bact. testing
 - ◆ Sampling regime
 - ◆ Microbiological standards in Nfld
 - ◆ Boil water advisories
 - ◆ Touched on CL₂ meters

Dave Rikley

Risk Management Services,
Frank Cowan Co. Ltd.

■ Risk Management Overview and the Walkerton Liability Story

- ◆ What might have gone wrong
before it happens
- ◆ Negligence defined
- ◆ Signs
- ◆ Walkerton – Just the facts, draw
your own conclusion



André Proulx

Delcan

- How to Prepare Your Small System for Future Regulatory Requirements
 - ◆ Water industry trends
 - ◆ Impacts of the Walkerton inquiry on small systems
 - ◆ Current and future regulatory issues
 - ◆ Strategies to prepare your system



Barry McNabb

City of Fredericton

■ Cross Connections... *Are They Affecting Your Water Systems?*

- ◆ What is a cross connection?
- ◆ Why is this an issue?
- ◆ What to look for
- ◆ Hazard classifications
- ◆ Cross connection programs...what's needed?



Glenn Howard

A1 Hydrant Services

- Improving Water Quality Through Swabbing and Uni-Directional Flushing—Technical Considerations
 - ◆ Why flush or swab?
 - ◆ Flushing techniques
 - ◆ Risks
 - ◆ Comparisons



Greg Bezanson

Acadia University

■ Water In Transit: Microbial Content and Related Quality Issues

- ◆ Significance of distribution microbiology
- ◆ Microbiology “101”
- ◆ Problem
- ◆ Future directions



Gary Fricke

Hetek Solutions Inc.



■ Leak Detection Today and in the Future

- ◆ Why have leak detection?
- ◆ Current Technology
- ◆ Logging and controllers
- ◆ Significant water savings

Thank you!

Exhibitors:

Atlantic Technical Services
Ltd.

E.N.G Environmental
Technologies Inc.

DurPro

K & D Pratt

Sea Systems

Kean's Pump Shop Ltd.

Hydromechanical Sales Ltd.

Sansom Equipment Ltd.

Waterworks Supplies Ltd

PCI Membrane Systems 15



Thank you!

Support: Department of Municipal and Provincial Affairs

Thank you!

Organizers: Bob Kennedy, Haseen Khan, Ervin McCurdy, Amir Ali Khan

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Thank you!

Participants:



Thank you!

- Please provide your comments to us on any matter you wish to mention about this workshop so we can address those matters in the future
- If you would like to have a colour version of these presentations, please check our web site and we will have them there for you to download