Clean and Safe Drinking Water Workshop - Summary

Gander, March 20th, 21st & 22nd, 2007

Newfoundland Labrador

GOVERNMENT OF NEWFOUNDLAND AND LABRADOR

Department of Environment and Conservation

Introductions

- **Welcome and opening remarks**
  - Conference Chair – Ervin McCurdy
  - Claude Elliott, Mayor of Gander
  - and on behalf of Newfoundland and Labrador Federation of Municipalities

Dr. Martin J. Allen

AWWA Research Foundation

- **Emergency Response and Recovery Planning: A kit of Tools**
  - Introduction for AwwaRF
  - Three recent research reports
    - Emergency Response and Recovery Planning: A Kit of Tools
    - Security Practices Primer for Water Utilities
    - Security Implications of Innovative and Unconventional Water Provisions Options

Awwa Research Foundation
Advancing the Science of Water®

Marc Bracken, P. Eng

- **Condition Assessment of Water Pipes**
  - Definition and need for assessment
  - Inspection methods
  - New acoustic technology of measurement of pipe thickness
    - Theory
    - Benefits
    - Examples
    - Limitations
    - Further research

Randy Dillon, P.Eng

Department of Municipal Affairs

- **Disaster Funding Assistance Arrangement (the DFAA)**
  - Eligibility for funding
  - What can be funded and what cannot be funded
  - Federal Program which is accessed by the province
  - “Not an Insurance Plan”

Carl Hann, CPHI(c)

Department of Government Services, Operations Branch

- **The Stephenville Flood: Role of the Environmental Health Officer**
  - Unfolding story as the damage progressed from the immediate flood and secondary effects such as mold and lack of water and sewage.
  - Dealing with the human aspects of the disaster such as homelessness and loss of personal property.
  - A key lesson is the need to work as a team with clearly understood roles for all participants.

Hon. Clyde Jackman

Minister of Environment and Conservation

- **Greetings from Government of Newfoundland and Labrador**
  - Welcome the speakers and delegates to the 6th annual workshop
  - Government's role in drinking water safety
  - Multi-barrier approach and priority for government.

Dr. Martin J. Allen

AWWA Research Foundation

- **The Public Health Significance of Bacterial Indicators in Drinking Water**
  - Indicator concept
  - Issues with trying to detect various pathogens
  - Advantages of screening on the basis of *E.coli* and on not on fecal coliforms

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Dr. Amir Ali Khan & Paul Neary

Department of Environment and Conservation

- **Tools for Emergency Response from the Water Resources Management Division**
  - Real time data reporting
  - Water supply area maps
  - Remote sensing
  - Flood risk maps
  - DWQ GIS application
  - Links to other web resources such as CANAL

Richard D. MacKenzie, P. Ag

- **Chlorine and Chemical Safety**
  - Chlorine is a hazardous chemical
  - Treat it with respect by knowing the risks & proper handling techniques
  - Focus on preventing accidental releases
  - Chlorine is handled safely by thousands of people daily

Paula Dawe, P.Eng

Department of Environment and Conservation

- **Preventing Emergencies Through Watershed Protection**
  - Definition of a watershed
  - Economic Comparisons
  - Impacts of development activities as seen through various examples
  - Approaches to watershed protection
  - Management committees and plans
  - Protection measures

Mike Tobalt, P. Eng

- **InfraGuide Best Practice - Speed and Quality of Linear System Repairs**
  - Reasons for speed and quality
    - Awareness
    - Location
    - Repair
  - General Repair Methodology comprised of 12 steps

Thank you!

Exhibitors:

- Atlantic Technical Services Ltd.
- Electric Motor & Pump
- EMCO Waterworks
- ENG Environmental Technologies Inc.
- Enviro Med
- ITT / Aquious
- K & D Pratt
- Kean's Pump Shop Ltd.
- Kemtag Enterprises
- Omnitech
- Sansom Equipment Ltd.
- Western Pump Services

Thank you!

Support: Department of Municipal Affairs

Organizers	Ervin McCurdy, Haseen Khan
Session Chairs	Deneen Spracklin, Annette Tobin, Ervin McCurdy
Audio, Visual and IT	Paul Neary, Rob Holloway
Registration Desk	Deneen Spracklin, Annette Tobin, Allen Park, Gerry Lahey, Darren Patey, Jim Pollett
Travel Claims	Gerry Lahey, Darren Patey
Trade Show and Set-Up	Gerry Lahey, Paula Dawe, Deneen Spracklin Annette Tobin, Jim Pollett, Darren Patey, Rob Holloway, Floyd Barnes, Bob Lethbridge, Chris Blanchard, Kent Slaney, Ron Goulding

Thank you!

Participants

- 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.