

# Annual Community Based Water Monitors & Operators Training

“Tapping into Knowledge – Clean Water and Healthy Communities”

November 16-17th  
NSCC Waterfront Campus

Coordinator Report  
For the Atlantic Policy Congress of First Nation Chiefs Secretariat



Submitted by Mary-Frances Lynch  
Woven Communication  
November 28, 2016

**WOVEN**  
*Communication*

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## Community Based Water Monitors and Operators Training - Background

The Atlantic Policy Congress of First Nations Chiefs Secretariat (APC) is a policy research organization that analyzes and develops culturally relevant alternatives to federal policies that impact on the Mi'kmaq, Maliseet, Passamaquoddy, and Innu communities. The APC has coordinated the Annual Community-Based Water Monitors & Operators Training for the past 11 years, this being the twelfth time the training has been offered. This year, the training was held on November 16-17<sup>th</sup>, 2016 at the Nova Scotia Community College (NSCC) Waterfront Campus in Dartmouth, Nova Scotia with the theme of "Tapping into Knowledge – Clean Water & Healthy Communities".



Photo by Matt Madden, NSCC

## Overview of Woven Communication Services

Mary-Frances Lynch of *Woven Communication* specializes in planning, engaging, and communicating on behalf of organizations, connecting them with community and on issues that matter most to them. Mary-Frances has 10 years of experience in research, writing, community and Aboriginal engagement, and management on projects that lead to positive change for both local communities and the environment.

With experience planning large events and working with First Nations, Mary-Frances was contracted by the APC to serve as Training Coordinator for the November 2016 Community-Based Water Monitors and Operators Training. To learn more about *Woven Communication*, please visit [www.wovencommunication.com](http://www.wovencommunication.com).

## Community Based Water Monitor and Operator Training Work Plan

Below is a work plan that outlines the tasks completed for the training.

<b>Objective #1: To secure a training coordinator.</b>			
<b>Activities</b>	<b>Expected Results (Outcomes/Indicators measurement)</b>	<b>Leads</b>	<b>Timeframe</b>
Contract a Training Coordinator	Issue a training coordinator request for proposals.	Policy Analyst – Team Leader	Complete
	Evaluate RFP submissions.	Policy Analyst & evaluation planning committee	Complete
	Complete contract.	Policy Analyst & Policy Analyst	Complete
	Manage and oversee activities of the consultant	Policy Analyst – Team Leader & Planning Committee	Complete
<b>Objective #2: To secure training facilitator and facility.</b>			
<b>Activities</b>	<b>Expected Results (Outcomes/Indicators measurement)</b>	<b>Leads</b>	<b>Timeframe</b>
Contract NSCC to complete training	Negotiate terms of the contract and complete contract with NSCC	Policy Analyst – Team Leader & Policy Analyst	Complete
<b>Objective #3: To work with a planning committee to ensure training meets the needs of community based water monitors.</b>			
<b>Activities</b>	<b>Expected Results (Outcomes/Indicators measurement)</b>	<b>Leads</b>	<b>Timeframe</b>
To host 2 face-to-face planning committee meetings prior to the training	<ul style="list-style-type: none"> <li>Planning committee meeting logistics will be well organized. In particular, APC and, where appropriate, the training coordinator will work with the planning committee to organize meeting dates; prepare the agenda; and complete action item minutes.</li> <li>Planning committee will offer valuable insight of the training needs of community based water monitors.</li> <li>Planning committee will provide feedback on any proposed NSCC training plans.</li> <li>Planning committee will offer training logistics feedback in order to ensure that this training meets the needs of community based water monitors.</li> <li>Action items and # of participants will be tracked.</li> </ul>	Policy Analyst – Team Leader & Training Coordinator	Complete
To complete additional teleconference, as deemed necessary by the planning	<ul style="list-style-type: none"> <li>APC will ensure that the teleconference meetings are well coordinated. In particular,</li> </ul>	Policy Analyst – Team Leader & Training Coordinator	Complete

committee	<p>APC and, where appropriate, the training coordinator will work with the planning committee to organize meeting dates; prepare the agenda; and complete action item minutes.</p> <ul style="list-style-type: none"> <li>• The planning committee will receive regular updates on the planning of the community based water monitors training and regular status updates on previous action items.</li> <li>• Action items and # of participants will be tracked.</li> </ul>		
To host I debriefing meeting with the planning committee.	<ul style="list-style-type: none"> <li>• Planning committee debriefing meeting logistics will be well organized. In particular, APC and, where appropriate, the training coordinator will work with the planning committee to organize meeting dates; prepare the agenda; and complete action item minutes.</li> <li>• Planning committee will review the completed evaluations.</li> <li>• Planning committee will be able to provide feedback on the training, any additional lessons learned, and offer suggestions for future training.</li> <li>• Action items and # of participants will be tracked.</li> </ul>	Policy Analyst – Team Leader & Training Coordinator	Complete
<b>Objective #4: Host Community Based Water Monitor Training.</b>			
Activities	Expected Results (Outcomes/Indicators measurement)	Leads	Timeframe
Complete Community Based Water Monitor training.	<ul style="list-style-type: none"> <li>• Confirm with planning committee invited participants; and if necessary, develop a contact list.</li> <li>• Develop an invitation letter that includes a registration form.</li> <li>• Distribute invitation to target audience.</li> <li>• Prepare media release and distribute.</li> <li>• Develop an accommodations list (if deemed necessary).</li> <li>• Develop agenda and training materials, in conjunction with planning committee and NSCC.</li> <li>• If necessary, coordinate travel and accommodations for presenters.</li> </ul>	Policy Analyst – Team Leader & Training Coordinator	Complete

	<ul style="list-style-type: none"> <li>• Community Based Water Monitors will be invited to the meeting.</li> <li>• Manage on-site registration.</li> <li>• Distribute training material package.</li> <li>• Complete on-site meeting and participant management.</li> <li>• Process participant travel claims.</li> <li>• Number of participants will be documented.</li> <li>• Number of workshops and scope of training will be documented.</li> <li>• Participants are required to write and pass an exam administered by NSCC</li> <li>• Upon successful completion of the examination, participants obtain CEU's from NSCC</li> </ul>		
<b>Objective #5: Evaluation</b>			
<b>Activities</b>	<b>Expected Results (Outcomes/Indicators measurement)</b>	<b>Leads</b>	<b>Timeframe</b>
Complete Final Evaluation	<ul style="list-style-type: none"> <li>• Design evaluation for training, in conjunction with planning committee and NSCC.</li> <li>• Number of evaluations completed will be documented.</li> <li>• Review rolled up evaluation with the planning committee.</li> </ul>	Policy Analyst – Team Leader & Training Coordinator	Complete
<b>Objective #6: Write Final Report &amp; Wrap Up</b>			
<b>Activities</b>	<b>Expected Results (Outcomes/Indicators measurement)</b>	<b>Leads</b>	<b>Timeframe</b>
Complete Final Report	Narrative final report complete.	Policy Analyst – Team Leader & Training Coordinator	Complete

## Planning Committee Meetings

A planning committee organized the training and provided guidance to Mary-Frances Lynch on coordination and logistics. This year's committee members include:

- Bert Babineau—Water Monitor Buctouche
- Csaba Kazamer – Indigenous and Northern Affairs Canada
- Darrell Jennex - North Shore Micmac District Council, Circuit Rider Training Program
- James MacKinnon - APC Housing Infrastructure
- Jason Catoul - Health Canada FNIHB EHO
- Lois Ettinger – Nova Scotia Community College
- Lorraine Marshall - Water Monitor Bras d'Or Lakes

- Lynn Meloney - Nova Scotia Community College
- Mary-Frances Lynch – Woven Communication, Training Coordinator
- Matt Lees - APC Housing Infrastructure
- Melissa Barreiro - Health Canada FNIHB EHO
- Mimiges Tomer - North Shore Micmac District Council, Circuit Rider Training Program
- Travis Dymont – Water Monitor Lennox Island
- Tyler Patles - North Shore Micmac District Council, Circuit Rider Training Program
- Velma LaBillois – Water Monitor Eel River Bar
- Zane Asyied - APC Housing Infrastructure

The committee met five times – three times over conference call and twice in person.

- **September 12<sup>th</sup>, 2016** – 10:30am conference call
- **October 5<sup>th</sup>, 2016** – 9am – 2:30pm in person meeting at NSCC Waterfront
- **October 20<sup>th</sup>, 2016** – 9am – 12pm in person meeting at NSCC Truro
- **November 10<sup>th</sup>, 2016** – 10am conference call
- **November 24<sup>th</sup>, 2016** – 10am conference call to debrief training

Please find the meeting agendas and minutes in **Appendix A**.

## CBWMO Training Participants

This year, participants were invited to register for the training either in hardcopy (faxed or emailed) or online using Eventbrite. See **Appendix B** for training invitation letter and form. A link to the Eventbrite registration system was posted on the APC website – this registration site included training details, schedule, and a questionnaire for attendees. Below is the Eventbrite registration link:

<https://www.eventbrite.ca/e/2016-community-based-water-monitors-operators-training-registration-27835584984>

Registration opened on October 14<sup>th</sup>, 2016 with early bird registration ending on October 26<sup>th</sup>, 2016. Mary-Frances Lynch tracked registration numbers and provided regular registration updates to the Planning Committee. A total of 25 people registered using Eventbrite and 37 faxed or emailed their forms. The email address [CBWM.APC@gmail.com](mailto:CBWM.APC@gmail.com) was used to gather emailed registrations and communicate with participants leading up the training.

Originally, 63 people had registered for the training; however, a total of 53 people participated in the training. The original database of registrants is in **Appendix C** and the participant sign-in sheet can be found in **Appendix D**. All scanned/faxed registration forms have been provided to the APC on a USB stick.

## Training Promotions

Mary-Frances Lynch sub-contracted Maria Gallagher of Halifax-based *Ink Bottle Design* (<http://www.inkbottledesign.com/>) to develop promotional materials for training including:

- Training poster
- Ad for *Mi'kmaq Maliseet Nations News* (published November 3<sup>rd</sup>)

The poster was shared with all registrants, First Nations Band Offices, Health Canada and the Circuit Rider Training Program staff. See **Appendix E** for poster and newspaper ad.

## Training Materials Binder

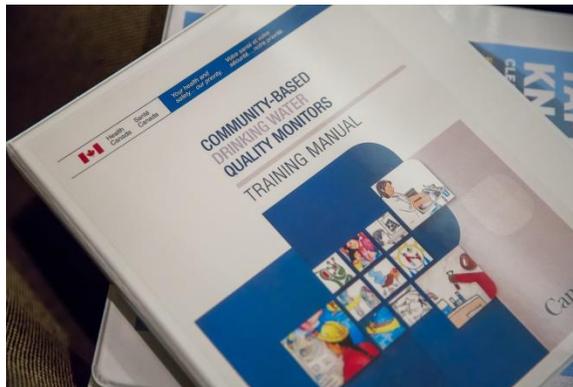
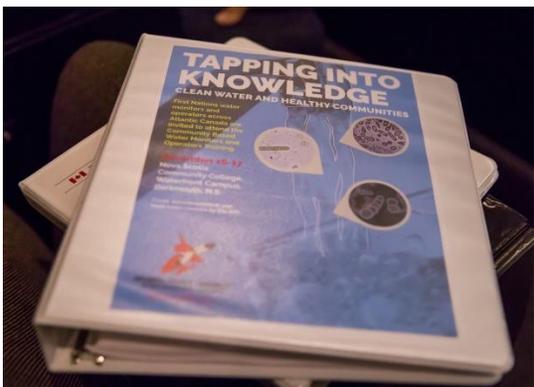
All presentation files in the training binder can be found on a USB stick provided to the APC.

Below is a table of contents for the binder (by tab #):

1. **APC Clean Water Initiative Update.** Presenter: James MacKinnon, Policy Analyst, Housing & Infrastructure, APC
2. **Perceptions and Risks in Water Monitoring.** Presenter: Lindsay Anderson, Dalhousie Centre for Water Resources Studies
3. **New Community Based Water Monitor Standard Operating Procedures (SOP).** Presenter: Robyn Edwards, Microbiology Supervisor, MAXXAM Analytics
4. **CBWM and Data Input: WaterTrax.** Presenter: Melissa Barreiro, Environmental Health Officer, Health Canada
5. **Roles and Responsibilities.** Presenter: Jason Catoul, Environmental Health Officer, Health Canada
6. **Best Practices for First Nations Drinking Water Quality Monitoring Atlantic Region.** Presenter: Len O'Neill, Regional Environmental Health Officer, Health Canada
7. **Primary and Secondary Disinfection.** Presenter: Darrell Jennex, & Danny Lanteigne, Circuit Rider Training Program
8. **Water Audits - Are Forever!** Presenter: Darrell Jennex & Danny Lanteigne, Circuit Rider Training Program
9. **Water Distribution Leak Detection & How it Helps During Drought Conditions.** Presenter: Dave Hiscock, Halifax Water
10. **Success Stories from Esgenoopetitj, Kingsclear and Potlotek**
  - **Team Work Under Pressure (Esgenoopetitj, NB).** Presenters: Tristan Brown, CRTP , Dale Ward, Lead Operator, Nelton Dedam, Secondary Operator
  - **Source to Distribution System - Water Quality Management (Potlotek, NS).** Presenters: Norm Isaac, CRTP & Noel Doucette, Lead Operator
  - **The Way We Were! (Kingsclear, NB).** Presenters: Danny Lanteigne, CRTP & Mark Francis, Lead Operator
11. **Weather Impacts on Emergency Preparedness and Response.** Presenter: Tracey Talbot, Environment and Climate Canada

## Training Schedule and Summary

The Community Based Water Monitors and Operators Training was held November 16-17<sup>th</sup>, 2016 at the NSCC Waterfront Campus in Dartmouth, Nova Scotia. Below is a written summary of each presentation. Please find the official schedule of the training in **Appendix F** and biographies for all speakers in **Appendix G**.



Photos by Matt Madden, NSCC

### Summary - Day I

Lynn Meloney, Nova Scotia Community College & Jason Catoul, Health Canada were the masters of ceremony for this year's training.

The training session was opened by a prayer from Elder Donna Augustine, Elsipogtog.

Welcoming comments were made by Paul Little Principal, NSCC Waterfront Campus, William McGillivray, Regional Director of Programs at Health Canada, and Chief Sidney Peters of Glooscap First Nation.

The keynote presentation was delivered by Elder Donna Augustine who spoke about the **relationship between the Indigenous peoples and water**. She shared how water is the source of life and was the first offering made by First Nations peoples to the Europeans. She believes that water can hold the vibrations of our positive and negative thoughts and feelings. She shared her experience performing a water ceremony in Lake Ontario at a conference with the famous water scientist Dr. Imoto in Toronto. Dr. Imoto imparted to her that “Canada has the biggest and most powerful water source in the entire world”, reinforcing Donna's desire to protect our water resources. She emphasized how, as protectors of the earth, it is the responsibility of Aboriginal peoples to protect water, especially Aboriginal women. She closed her presentation by performing a feast song, giving thanks to water. She left a glass of water on stage to absorb the day's teachings and then poured it outside in order to return the infused water to the earth.

James MacKinnon, Policy Analyst and Team Leader for Housing and Infrastructure at the APC provided an **Overview of the Clean Water Initiative**. His presentation shared an historical context for the First Nations Water Authority, its role and benefits as well as an overview of work to be accomplished in 2016-2017. The APC held a meeting in summer 2016 with INAC regarding the direction and strategy for the Water Authority – ultimately, the strategy will be informed by community involvement and

information sharing on O&M costs, capital costs, and infrastructure spending. The activities for 2016-2017 include a financial analysis, development of a water authority structure, a First Nations Infrastructure Investment Plan, open and transparent communications, and land designation mapping.

Lindsay Anderson, PhD student with Dalhousie University's Center for Water Resources gave a presentation on the **Perceptions and Risks in Water Monitoring**. Her presentation focused on waterborne illnesses associated with drinking water (gastrointestinal illness, metals contamination), the role of chlorine disinfection in eliminating pathogens, and the risk of water-washed disease due to lack of water quality in a community. She reviewed the monitoring requirements for drinking water systems in small and large communities, focusing on chlorine monitoring in First Nations communities. Negative perceptions of chlorine were discussed in addition to ways of addressing these perceptions through education. She also focused on the high metal content (manganese, iron, lead) in drinking water in Potlotek and associated effects. Finally she spoke about water-washed disease where in low water-service areas, bacteria can accumulate in water basins where water is re-used, in turn leading to illnesses such as pneumonia, respiratory issues, and skin infections.



Photo by Matt Madden, NSCC

Robyn Edwards, Microbiology Supervisor, Maxxam Analytics, spoke about **New Standard Operating Procedures and accredited labs**. Maxxam is a lab accredited by the Standards Council of Canada as well as the International Organization for Standardization. Robyn reviewed the process for maintaining lab accreditation and why it is important to use such labs. Maxxam will be performing audits by visiting each community every two years to check logbook, equipment, materials, QA/QC systems. To ensure high performance, Robyn outlined best practices for up-to-date training, proper sample collection, transporting samples, and record keeping.

**Lunch** was served from 11:30am to 12:30pm in the cafeteria.

After lunch, Melissa Barreiro and Jason Catoul, Environmental Health Officers, Health Canada, gave an overview of the **WaterTrax System** and guided the user through the reporting system, step-by-step.

Jason Catoul, Environmental Health Officer at Health Canada, spoke about the **Roles and Responsibilities** of water monitors and operators as well as other stakeholders in First Nation communities, notably Chief and Council, the Environmental Health Officer and the Environmental Public Health Division of Health Canada.

Len O'Neill, Regional Environmental Health Officer at Health Canada spoke about **Best Practices for First Nations Drinking Water Quality Monitoring Atlantic Region**. He began his presentation with an overview of findings from the All Chiefs Forum, followed by information on the growing use of accredited labs. Questions were raised by participants about how First Nations can become more directly involved in establishing or partnering on their own accredited labs. Participants also expressed

their concern over discrepancies between different accredited labs (Maxxam, RPC) and how these can be reconciled.

Before the afternoon break, Melissa and Jason demonstrated **how to print bottle labels in WaterTrax**.

The final presentation of the day was made by Darrell Jennex and Danny Lanteigne of the Circuit Rider Training Program on **Primary and Secondary Disinfection**. They spoke about a multi-barrier approach to disinfecting water – filtration, UV, ozone, reverse osmosis, source water protection, and maintenance activities of operators and monitors. Following this, they provided greater detail on primary (initial treatment before water is stored) and secondary disinfection (chlorination of the distribution system). Proper secondary disinfection will reduce the risk for bacteria and viruses that lead to waterborne illnesses. A robust Q&A session followed the presentation, ending early at 3:30pm.

Participants were bused back to the hotel at 3:45pm.



Photo by Matt Madden, NSCC

## Summary - Day 2

Day 2 was opened with a content review by Melissa Barreiro and Jason Catoul of Health Canada.

The first presentation of the day was delivered by Darrell Jennex and Danny Lanteigne of the Circuit Rider Training Program on **Water Audits**. The importance of performing a daily water audit was emphasized to identify issues related to water quality and effective system operations. They outlined how this includes measuring flow and reading a flow meter, measuring chlorine residuals, and properly interpreting data. A video was played showing a water operator's procedures for treating water and measuring flow in Taku River, BC.

Dave Hiscock of the Halifax Water Commission spoke about **Water Conservation and Leak Detection at Lake Major**. He shared strategies to minimize water loss from leaks and the importance of using meters to detect such leaks. Drought response was also discussed in the context of this summer's record-breaking drought in Nova Scotia.

After the morning break the group heard about success stories from Esgenoopetitj, Potlotek and Kingsclear. The first presentation was titled **Team Work Under Pressure (Esgenoopetitj, NB)** by presenters Tristan Brown, CRTP and Nelton Dedam, Secondary Operator. On August 9, 2016 a wastewater collection line was broken in Esgenoopetitj. A vacuum truck was brought in to clean up the spill and the line was repaired over a 5-10 hour period. On August 10, 2016, the water operator was

notified that the contractor had also broken a water line adjacent to where the wastewater line was originally broken. There was a high probability of water contamination, yet a boil-water advisory was not suggested by the contractor. Chief and Council, CRTP, and Health Canada were advised of the issue and a weekend-long boil water advisory was issued using social media and word of mouth. The take-home from Nelson was that *“It is OUR community and WE are responsible for its safety”* – therefore when major issues arise, the water monitor/operator needs to make a decision on the best course of action.

A second presentation titled, **Source to Distribution System - Water Quality Management (Potlotek, NS)**, was delivered by Norm Isaac, CRTP and Noel Doucette, Lead Operator. As a result of turnover of warm and cold waters in Indian Lake (source water for Potlotek) every Fall, local drinking water becomes high in manganese and iron. The high metal content produces brown tap water in parts of Potlotek. They showed images of the source water, treatment plant and membrane treatment system. Reservoir cleaning and hydrant flushing are being used as temporary solutions with the goal of migrating to a different water source or finding an engineering solution.

The presentation titled **The Way We Were! (Kingsclear, NB)** was cancelled due to the operator’s absence. Instead, Jason Catoul and Melissa Barreiro of Health Canada held a review session to test participants on their knowledge.

**Awards luncheon** was held from 11:30am – 12:30pm. See section below for awards recipient list.

Photo by Matt Madden, NSCC



The only afternoon presentation was titled **Weather Impacts on Emergency Preparedness and Response** by Tracey Talbot, meteorologist with Environment and Climate Canada. She gave an overview of the Meteorological Service of Canada and the role of a Warning Preparedness Meteorologist. She identified how mid-latitude storms and tropical storms/hurricanes are the most common types of weather systems in the Atlantic region in summer and winter. Tracey spoke about the weather hazards associated with these systems –

heavy precipitation, strong winds, and storm surges. Hurricane Matthew (Thanksgiving 2016), the snowfall of winter 2014-2015, as well as the 2016 summer drought were discussed as examples of major weather events and hazards. She encouraged water monitors/operators to access weather reports using Environment and Climate Change Canada’s weather website, RADAR, hurricane tracking websites, post impact weather reports, and the Community Collaborative Rain, Hail and Snow Network.

The afternoon review session was cancelled as it was covered before lunch instead. As a result, the test began at 1:30pm.

After the test, participants re-convened to provide feedback and recommendations (see section below) and receive door prizes.

The winners of the early bird door prizes (\$50 Tim Horton's Card) were:

- Tammy Joe Knockwood
- Stephen Peter Paul
- Dakota Brooks
- Jean-Guy Cimon

General door prize (NSCC swag) winners were:

- Nelton Dedam
- Noel Doucette
- Katrina Sock
- Darlene Bachiri
- Katrina Paul
- John Simonson
- Ryan Traugh
- Thomas Marshall
- Velma LaBillois Petersen
- Kristopher Turkenkopf
- Thomas Haddad
- Sharon Augustine

The training closed with the distribution of participant certificates from the Nova Scotia Community College and a closing prayer by Elder Donna Augustine.

The bus transported participants back to the hotel at 3:30pm.

### CBWMO Recognition Award Recipients

Achievement Awards for 100% Water Monitoring Performance were given to the following monitors:

- Patrick Jeddore
- Dimitri Prosper
- Bert Babineau
- Travis Dymont
- Kyle Francis
- Clara Harlow
- Valerie Meader
- Tammy Joe Knockwood
- Wendy Knockwood
- Velma LaBillois Peterson
- Dennis McLeod
- Peter McLeod



Photo by Matt Lees, APC

- Lorraine Marshall
- Darlene Paul
- Tyson Paul
- Stephen Peter Paul
- Chris Pictou
- Angus Sark
- Adam Saulis
- Ryan Traugh
- John Simonson
- Ray Stebbens
- Mitch Toney
- Marsha Rolfe



Photo by Matt Lees, APC

The Circuit Rider Training Program gave awards to the following operators:

- Noel Doucette
- Greg Brewer
- Dale Ward
- Nelton Dedam

### CMBWO Test Results

Of the 53 participants, 47 wrote the multiple choice test that was prepared by Health Canada. The average mark on the test was 93%, with the lowest being 70% and highest 100%. Following the training, the NSCC awarded participants with 1.1 CEUs.

The two tables on the following pages show a breakdown of the marks for each participant as well as a tally of how each question was answered.

	Community/Organization	First Name	Last Name	November 16th		November 17th		Claim	Testing	Grade
				AM	PM	AM	PM			
1	Abegweit First Nation	Roderick	Gould	X	X	X		DONE	Y	97%
2	AFN - Gold River	Karen	Oakes	X	X	X	X	DONE	Y	90%
3	AFN - Wildcat Office	Valerie	Whynot	X	X	X	X	DONE	Y	100%
4	Annapolis Valley First Nation	Peter	McLeod	X	X	X	X	NEED	Y	93%
5	Annapolis Valley First Nation	Mitch	Toney	X	X	X	X	NEED	Y	80%
6	Bear River First Nation	Clara	Harlow	X	X	X	X	DONE	Y	100%
7	Bouctouche First Nation	Bertin	Babineau	X	X	X	X	NEED	Y	100%
8	Bouctouche First Nation	Marsha	Rolfe	X	X	X	X	NEED	Y	100%
9	Eel Ground First Nation	John	Simonson	X	X	X	X	DONE	Y	93%
10	Eel River Bar First Nation	Velma	LaBillois Petersen	X	X	X	X	DONE	Y	93%
11	Eel River Bar First Nation	George	Snyder	X	X	X	X	DONE	Y	93%
12	Elsipogtog First Nation	Darlene	Augustine	X	X	X	X	DONE	Y	100%
13	Elsipogtog First Nation	Donna	Augustine	X	X	X	X	DONE	Y	97%
14	Elsipogtog First Nation	Sharon	Augustine	X	X	X	X	DONE	Y	97%
15	Elsipogtog First Nation	Charles	Sock	X	X	X	X	DONE	Y	100%
16	Esgenoopetitj First Nation	Nelton	Dedam	X	X	X	X	DONE	Y	90%
17	Eskasoni First Nation	Fred	Sylliboy	X	X	X	X	DONE	N	
18	Fort Folly First Nation	Tammy Jo	Knockwood	X	X	X	X	DONE	Y	90%
19	Glooscap First Nation	Kristen	Halliday	X	X			DONE	N	
20	Glooscap First Nation	David	Smith	X	X	X	X	DONE	Y	93%
21	Indian Island First Nation	Dakota	Brooks	X	X	X	X	DONE	Y	87%
22	Indian Island First Nation	Katrina	Sock	X	X	X	X	DONE	Y	97%
23	Lennox Island First Nation	Travis	Dyment	X	X	X	X	DONE	Y	100%
24	Lennox Island First Nation	Angus	Sark	X	X	X	X	DONE	Y	70%
25	Madawaska Maliseet First Nation	Jean-Guy	Cimon	X	X	X	X	NEED	Y	80%
26	Madawaska Maliseet First Nation	Micheline	Plante	X	X	X	X	NEED	Y	80%
27	Metepenagiag First Nation	Thomas	Haddad	X	X	X	X	DONE	Y	97%
28	Metepenagiag First Nation	Michael	Ward	X	X	X	X	DONE	Y	92%
29	Miawpukek	Rex	Drew	X	X	X	X	NEED	Y	93%
30	Millbrook First Nation	Valerie	Meader	X	X	X	X	NEED	Y	93%
31	North Shore MDC	Tyler	Patles	X	X	X	X	DONE	N	
32	Oromocto First Nation	Paula	Bartlett	X	X	X	X	DONE	Y	93%
33	Oromocto First Nation	Ashley	Sabattis	X	X	X	X	DONE	Y	93%
34	Pabineau First Nation	Steven	Peter-Paul	X	X	X	X	DONE	Y	93%
35	Pabineau First Nation	Christopher	Turkenkopf	X	X	X	X	DONE	N	
36	Pictou Landing First Nation	Darlene	Bachiri	X	X	X	X	DONE	Y	100%
37	Potlotek First Nation	Noel	Doucette	X	X	X	X	DONE	Y	100%
38	Potlotek First Nation	Thomas	Marshall	X	X	X	X	DONE	Y	93%
39	Saint Mary's First Nation	Johnny	Paul	X	X	X	X	DONE	N	
40	Sheshatshiu Innu First Nation - PW	Douglas	Ashini	X	X	X	X	NEED	Y	93%
41	Sheshatshiu Innu First Nation - PW	Ian	Rich	X	X	X	X	NEED	Y	97%
42	Sheshatshiu Innu First Nation - PW	George	Snow	X	X	X	X	NEED	Y	97%
43	Sipekne'Katik First Nation	Brett	Googoo			X	X	DONE	Y	90%
44	Sipekne'Katik First Nation	Stephen	Knockwood Jr.			X	X	N/A	Y	87%
45	Sipekne'Katik First Nation	Stephen	Knockwood Sr.			X	X	NEED	Y	87%
46	Sipekne'Katik First Nation	Katrina	Paul			X	X	N/A	Y	87%
47	Tobique First Nation	Kevin	Moulton	X	X	X	X	DONE	Y	87%
48	Tobique First Nation	Adam	Saulis	X	X	X	X	NEED	Y	93%
49	Tobique First Nation	Ryan	Traugh	X	X	X	X	NEED	Y	100%
50	Unamaki Institute of Nat Res	Lorraine	Marshall	X	X	X	X	DONE	Y	97%
51	Unamaki Institute of Nat Res	Tyson	Paul	X	X	X	X	NEED	Y	97%
52	Woodstock First Nation	Simon	Paul	X	X			NEED	N	
53	Woodstock First Nation	Brian	Polchies	X	X	X	X	DONE	Y	83%

Tests Marked:		47								
	A	B	C	D	E	Comments				
1	2%			<b>98%</b>						
2*	2%		2%	2%	<b>94%</b>	Multiple answers were found on one test				
3	<b>100%</b>									
4	2%			<b>98%</b>						
5		<b>47%</b>	47%	6%						
6	13%		<b>74%</b>	13%						
7			<b>98%</b>	2%						
8	<b>98%</b>	2%								
9	<b>100%</b>									
10				4%	<b>96%</b>					
11*	2%	15%	<b>76%</b>	7%		Question left blank on one test				
12*	6%	<b>92%</b>	2%			Multiple answers were found on one test				
13	4%		<b>91%</b>	4%						
14		<b>100%</b>								
15	<b>89%</b>	4%		6%						
16	2%		<b>98%</b>							
17	11%	<b>89%</b>								
18				<b>100%</b>						
19	<b>91%</b>	9%								
20		<b>100%</b>								
21	<b>98%</b>	2%								
22		<b>100%</b>								
23*	<b>93%</b>	7%				Question left blank on one test				
24	<b>100%</b>									
25	32%	<b>68%</b>								
26				<b>100%</b>						
27	<b>100%</b>									
28	2%	<b>96%</b>		2%						
29	<b>100%</b>									
30	<b>98%</b>	2%								

## CMBWO Evaluation Results

The NSCC prepared an evaluation on the presenters and training to be filled in by participants. Overall, the training was well-received by the participants with no major complaints for presenters and the training itself.

Below are a few quick findings:

- Of those who answered the question, nearly all “agreed” or “strongly agreed” on the high performance of speakers.

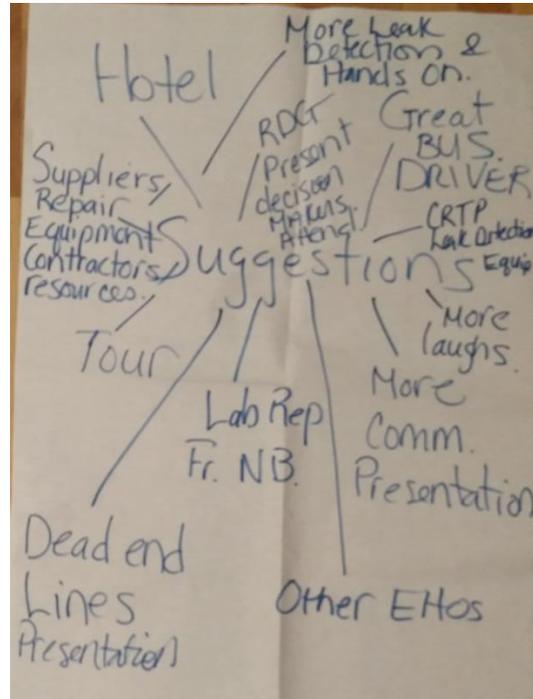
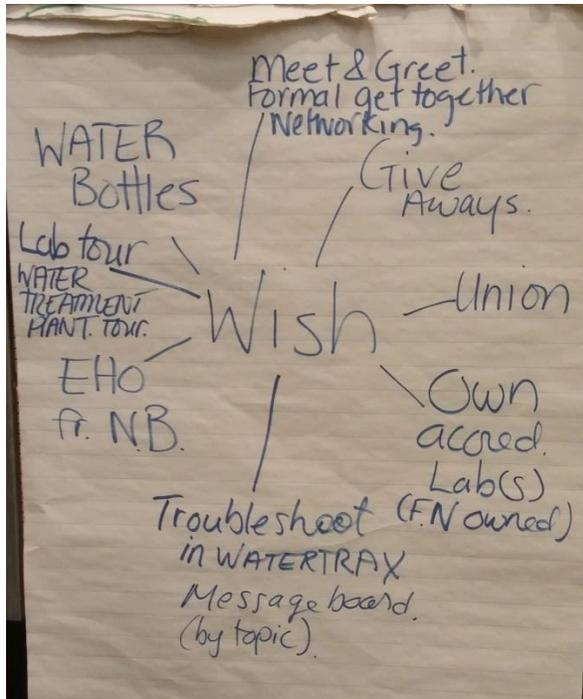
- Of those who answered the question, all gave positive feedback on the performance of MC's Lynn Meloney (NSCC) and Jason Catoul (HC).
- The NSCC Waterfront Campus facility was deemed an appropriate training location.
- All enjoyed the meals and breaks provided.
- All approved of the staff coordinating the training.

The survey's open-ended feedback is captured in the section below titled *Feedback & Recommendations*. A more detailed breakdown of the evaluation results can be found in **Appendix H**.

## Feedback & Recommendations

Feedback and recommendations received by **training participants during oral feedback session on November 17<sup>th</sup>, 2016 (see flipcharts):**

- Ramada Inn Plaza was hard to find, Holiday Inn and Hampton Inn Suites would be better solutions
- Friendly bus driver this year, get him next year
- A beverage served with the turkey dinner would have been better
- Water bottles needed throughout the training
- EHO from New Brunswick should attend
- More gift certificates
- Go on a tour
- A lab demonstration from New Brunswick
- Community based presentations on their success stories were well received
- Have funders in the room to see the needs of the communities – INAC, RDG
- Session on contractors so communities can share information on suppliers, are there common issues/challenges where communities can team-up?
- WISH LIST - First Nations run accredited lab, but it requires a lot of time and resources
- WISH LIST - Chat forum in WaterTrax
- Presentation on dead-end lines
- Karen Boyles from Pictou Landing should be in attendance
- Too warm in the theater room
- Humour is much appreciated
- Proper meet and greet in the evening to do some networking
- Two days is short – 2.5 to 3 days would be better
- Best practices for leak detection – Halifax Water and CRTP teams have this equipment – show and tell
- More practical, hands on training
- Mike McNeil was missing
- Water treatment plant tour
- Tour of Maxxam lab



Photos by Mary-Frances Lynch, Woven Communication

Feedback and recommendations received by **training participants on evaluation surveys:**

What did you enjoy <u>most</u> about the Workshop?	What did you enjoy <u>least</u> about the Workshop?	How do you plan on using this training at your workplace?
<p>“Laughter &amp; Info”            “Learning more and updates”            “The instructors were very knowledgeable”            “Fun, Food”            “Always enjoy the workshop”            “I enjoyed how organized it was.”            “Feedback info”            “Environment Canada/climate change was interesting but so was Halifax water.”            “2 days”            “Our elder”            “New Information”            “The people”            “Networking success stories”            “Learning something new”            “Learning how Halifax does their water.”            “The weather was a nice change”</p>	<p>“Reading info”            “Hot!”            “Parking”            “Time of year, prefer late summer”            “Travel”            “Would like to stay in hotel in Dartmouth Crossing next time.”            “Not enough tea or coffee time”            “Darrel and Dan’s voice”            “Water operator things”            “Would be really nice to have an aboriginal EHO be part of this training.”            “I had to come to the city”            “Output”</p>	<p>“Training Book to use as reference”            “Every day”            “Daily”            “Keeping the community based training manual close at hand – excellent reference!”            “In my work”            “I have more information as well as new questions to ask my EHO”            “It will help with providing informative discussions within my community”            “Try some new ideas I learned”</p>

<p>“Very informative – always learn something useful.”  “Very interested to learn more.”  “Each year has been better.”  “Smoking room”</p>		
<p><b>General comments:</b></p> <ul style="list-style-type: none"> <li>• “Can’t wait until next year’s meeting.”</li> <li>• “The Atlantic provinces need to have a water conference with all chiefs, operator monitors, EHO, HC. IN value.”</li> <li>• “Where’s our Aboriginal EHO?” “Please don’t leave her out. “</li> <li>• “Happy Birthday James”</li> <li>• “These workshops concentrate mainly on water. Is there anything to come that deal with the “waste water aspect” of our work?”</li> <li>• “Good session”</li> <li>• “Have hotel in Dartmouth Crossing – Hampton Inn”</li> </ul>		

**Feedback emailed by a water monitor after the training:**

- To varying degrees operators and monitors handle different materials/chemicals. It would be of value to have a course beyond the scope of what WHIMIS does for safe handling.
- Documentation of various duties would also be beneficial including the legal responsibility and potential liabilities to the operator/monitor for improper data input on logs as well as reporting.
- Other safety issues while in the field physically doing various duties.

**Feedback received by organizing committee on conference call November 24, 2016:**

- Training went well this year
- Idea to have a formal banquet for next year with an awards ceremony so it won’t be too rushed.
- Could have a meet and greet night before training where awards are handed out.
- Suggestion to have awards banquet at hotel
- People leave quickly at end of last day, so do not do anything important after the test.
- The two days flowed well this year in terms of content
- After participants wrote the test, some left before the feedback session and Elder’s prayer – could this have been communicated better to the group? The committee agreed that it is difficult to keep participants around after the test.
- Great training session provided by the communities – Health Canada has told their EHO’s to keep this on their radar for next year’s presentation ideas.
- Some suggestions provided during participant feedback session were outside of our scope.
- Discussion on training length = the training was initially three days then brought down to two days. It is hard to get operators out of their community for such a long period given lack of backup as well as other work tasks that require their attention. Several committee members agreed that three days was too long for the training given work commitments, attention span, and the challenge of filling the days with novel content.



Photo by Matt Madden, NSCC

\*\*All photos taken by Matt Madden, Mary-Frances Lynch, James MacKinnon and Matt Lees can be found on a USB stick provided to the APC.

## Contact Information

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Appendix A: Planning Committee Meeting Agendas and Minutes



**ATLANTIC POLICY CONGRESS**  
OF FIRST NATIONS CHIEFS SECRETARIAT

**Community Based Water Monitor (CBWM) Planning Committee  
Conference Call  
Monday September 12<sup>th</sup>, 2016  
10:30 a.m. – 11:30 pm**

**In Attendance**

James MacKinnon—Atlantic Policy Congress (APC)  
Zane Asyied—Atlantic Policy Congress (APC)  
Justin Audibert – Indigenous & Northern Affairs Canada (INAC)  
Melissa Barriero (EHO, Health Canada's Atlantic FNHIB)  
Mimiges Tomer—North Shore Micmac District Council (NSMDC)  
Tyler Patles – North Shore Micmac District Council (NSMDC)  
Travis Dymont (Lennox Island)  
Bertin Babineau—Bouctouche First Nation, NB  
Lynn Meloney – Nova Scotia Community College (NSCC)  
Lois Ettinger – Nova Scotia Community College (NSCC)

**Regrets**

Lorraine Marshall  
Jason Catoul—Health Canada  
Darrell Jennex – North Shore Micmac District Council (NSMDC)

*(Minutes transcribed by Zane Asyied, Policy Analyst, Housing & Infrastructure)*

APC welcomed all participants to the teleconference, and began the teleconference by confirming Mary Francis Lynch was the successful applicant in competition for the Coordinator position. APC cited Mary Francis Lynch has experience in First Nation Water, and organizational skills in past First Nation-related experiences.

APC asked Health Canada whether they had ideas for the keynote speaker. Health Canada mentioned David Butler-Jones as a possibility, a speaker whom presented in the previous year.

**Action Item #1:** Committee will bring ideas for keynote speaker to face-to-face meeting on October 5<sup>th</sup>.

APC brought up the possibility of having a similar keynote speaker--traditional and indigenous cultural importance of water—and re-utilizing Maggie Paul as a speaker again this year.

**Action Item #2:** APC will see if Executive Director, John Paul, will provide opening comments, or if it would be one of the APC co-chairs who would provide welcoming and opening remarks.

It was mentioned that Len O'Neil, Health Canada, and the Principal of NSCC will provide opening remarks as well.

**Action Item #3:** APC raised Conference's theme as an action item. Committee will come back with ideas.

Health Canada suggested "Streams of Knowledge (Connection and Reflections)" as a theme.

**Action Item#4:** Mimiges Tomer, CRTP, cited she will relay request to CRTs to seek community updates from Operators and monitors regarding ideas on community level presentations.

**Action Item#5:** Committee will come back with ideas for presentations for training agenda.

APC inquired about specific water system parts being the specific focus of any presentations. However, it was mentioned that this would difficult to keep consistent across different systems.

Health Canada suggested a presentation on new CBWM protocols. As well, it was mentioned that Maxxam Analytics will provide a presentation on lab requirements.

APC mentioned breaks and dinner, for discussion. The group agreed that there should be a morning nutrition break, as well the committee agreed on a Turkey dinner.

APC also inquired whether marking of tests by Committee members was still viable again this year, which was still fine with the group.

APC raised the location of the Hotel venue for discussion. APC cited the Dartmouth Holiday Inn Harborview as advantageous for its location. But, participants seem unhappy with it in the past.

Travis Dyment, Lennox Island, suggested the Best Western Plus as an option. Travis cited the Hotel's restaurant availability, proximity and potential group discount rates from management, as advantages.

**Action Item #6:** APC will check with Best Western Plus for rates.

Lois Ettinger, NSCC, recommended 'Hands on training' as a learning style.

**Action Item #7:** NSCC will check for additional rooms may be available, in the event of interactive, hands on training being an option.

**Closing** APC finalized the teleconference by asking the Committee whether is anything additional to discuss.

**Community Based Water Monitors/Operators Training  
November 2016**

*Planning Committee Meeting  
NSCC, 80 Mawiomi Place, Dartmouth  
Room 4140  
October 5, 2016*



**AGENDA**

9:00 – 9:30am	<b>1) Welcome-Roundtable Introductions</b>
9:30 – 10:00am	<b>2) Review of Minutes and Action Items from September 12, 2016 Meeting</b>
10:00 – 10:30am	<b>3) Workshop Invitation Letter, Registration and Promotions</b> (Documents provided)
10:30 – 10:45am	<b><i>BREAK</i></b>
10:45 – Noon	<b>4) Workshop Agenda and Speakers List - Brainstorm Session</b> (Document of last year's schedule is provided as background)
Noon – 1:00pm	<b><i>LUNCH (provided)</i></b>
1:00 – 2:00pm	<b>5) Workshop Agenda and Speakers List - Brainstorm Session CONTINUED</b>
2:00 – 2:15pm	<b>6) Additional Topics</b>
2:15 – 2:30pm	<b>7) Next Meeting(s) – proposed dates October 19 and November 9, 2016</b>

## Meeting October 5<sup>th</sup>, 2016 - CBW Monitors/Operators Training November 2016

### **1) Welcome and Roundtable Introductions**

Mary-Frances Lynch cited her FN experience related to renewable energy work, MFL builds on her introduction to Mi'kmaq communities in her field work. She worked with APC with Diana Campbell—an APC affiliate in the past.

Meeting attendance:

- Lynn Maloney - NSCC
- Travis-Dyment – Water Monitor Lennox Island
- Bert-Babineau—Water Monitor Buctouche
- Velma LaBillois – Water Monitor Eel River Bar
- Lois Ettinger - NSCC
- Darrell Jennex - North Shore Micmac District Council, Circuit Rider Training Program
- Lorraine Marshall - Water Monitor Bras d'Or Lakes
- Jason O'Toole - Health Canada FNHIP EHO
- Melissa Barreiro - Health Canada FNHIP EHO
- James MacKinnon - APC Housing Infrastructure
- Zane Asyyed - APC Housing Infrastructure
- Mimigis Tomer - North Shore Micmac District Council, Circuit Rider Training Program

-Regrets: Tyler Patles - North Shore Micmac District Council, Circuit Rider Training Program

-At 10:00 am INAC officials arrived - Justin Audibert and Csaba Kazamer.

-This meeting is the largest one and subsequent meetings will be smaller in scale.

-Agenda Review: Lunch was suggested to be moved up to 11:30.

### **2) Review of Sept 12<sup>th</sup> Meeting Minutes**

-Action Item 1: MFL suggested Action Item will be discussed at #4 on agenda.

-Action Item 2: MFL affirmed John Paul as opening speaker.

-Action Item 3: Lorraine has list of ideas for theme but forgot them home.

- **ACTION ITEM:** Lorraine will send list of ideas to MFL and group, then the group can review list later on.
- Jennex affirmed positive nature of “streams of knowledge.”
- Barreiro reviewed past themes, in past years, going back to mid-early 2000s.
- Group will set a deadline of Friday October 7<sup>th</sup> to have theme reviewed and chosen as per Lorraine’s ideas.

-Action Item 4: Mimiges provided feedback. **ACTION ITEM:** CRT's will contact Operators in Burnt Church regarding success stories presentation.

-Action Item 5: Will discuss at #4 on agenda.

-Action Item 6: APC to check hotel rates.

- Best-Western Plus of \$146 per night with breakfast, wifi, parking; Ramada Plaza of \$135 per night with breakfast, wifi, parking; least expensive → Holiday Inn Harborview of \$131.00.
- MFL cited feedback from last year that there was negative impression of Holiday Inn Harborview. James MacKinnon also cited similar sentiment expressed from previous years.
- Lorraine cited Ramada amenities such as parking, restaurant, and fridge in room.
- James MacKinnon inquired whether there was bus access to the Ramada. Confirmed by NSCC.
- Group agreed tentatively on Ramada.
- James cited APC does not block rooms – **ACTION ITEM:** MFL to confirm with Ramada.
- MFL brought up issue of parking passes. Passes will be provided to presenters and committee members only. For remaining individuals, Hospital and Mount Hope Avenue were cited as parking options.

-Action Item #7: Hands-on training discussion

- Lois expressed that booking smaller rooms is difficult due to student class bookings.
- Break-out rooms may be a possible strategy according to NSCC.
- Lynn cited need for Plan A and Plan B for organizing bookings.
- Melissa Barreiro suggested we block off the back of the theatre to accommodate hands on training.
- Issue of chattiness was discussed briefly by group, as participants tend to sit in the same groups/areas year after year. By blocking off seats in the upper part of the room, this may increase focus and attention for presentations.
- MFL confirmed we will stay with the lecture room approach, and explore booking off theatre.

### **3a) Training Invitation Letter**

-MFL provided overview of letter. MFL opened up the floor to letter suggestions and comments.

- Travis cited it was hard in the past to fill 3 days. NSCC suggested 2.50 days as an alternate solution.
- Will need to work with APC to have travel claim coordination - as raised by James MacKinnon.
- **ACTION ITEM:** MFL confirmed APC travel rates will be added to the letter. MFL outlined that the letter will be cleaned up and sent out next week to APC for review and finalizing.

### 3b) Registration Form

- Lynn encouraged early registration. NSCC confirmed November 1<sup>st</sup> as a deadline, but were also flexible to move it to the 4<sup>th</sup> of November.
- 60 people are expected to attend training - James MacKinnon.
- Concerning APC language of “up to 2 sponsors.” James confirmed general rule of up to 2 people.
- **ACTION ITEM:** Mimiges offered to send list of operators/monitors participants to MFL, James also confirmed he can send general list of participants to MFL.
- When sending it out next week, MFL cited options of faxing or emailing in registration forms.
- MFL showed the group the online registration template, using Eventbrite. MFL showed how she can merge the information online with what is received in fax/email form. MFL asked whether this is accessible to committee members and community members?
  - Jennex cited issues of access by some members and asked about Mobile Phone version. MFL confirmed that the site is available on Mobile Phone. It was encouraged to share the link widely.
- MFL cited there were no known problems with Eventbrite, in response to Zane’s inquiry.
- **ACTION ITEM:** MFL cited how she can enable a confirming email that provides automated info to attendees.

### 3c) Promotions

- MFL provided context/overview of ads and avenues of event promotion, independent from online sources. She then asked group for input.
  - **ACTION ITEM:** Melissa cited that she can relay posters to EHO partners.
  - Csaba suggested that posters be put up in physical locations in communities where water samples are dropped off so that monitors can see.

### 4) Workshop Agenda and Speakers List

- Opening Prayer: Velma suggested Donna Augustine.
- Keynote Speaker: James and Lynn brought up the need to delay choice of keynote speaker, once the theme is ultimately determined. MFL suggested Gerald Gloade as he is already providing a presentation at another water symposium related to the importance of water in Mi’kmaq culture.
- Training Speakers:
  - Melissa Barreiro suggested a presentation on Water Trax.
  - Csaba suggested topic of fire hydrant repair.
  - Melissa Barreiro suggested topic of water conservation, citing tools and approaches of Halifax Water that are in effect. Lorraine expands the point to Climate Change.
  - Jennex cited water audits as a presentation topic.
  - Csaba cited example of a community that mistakenly thought they lost their main well, but in effect, the well could not keep up with pumping demands within the community.
  - Barreiro added the need for a presentation on chlorine disinfection byproducts - she suggested Robin Edwards.

- Jennex cited the need to share INAC protocols on centralized water systems with operators.
- Lorraine expressed need for more monitoring topics, emphasizing Iron and Magnesium in Potlotek water. Jennex shared source water protection as a sub-topic.
- Csaba suggested having one hour workshops on technical subjects to allow for greater learning. Logistically, Maloney re-iterated NSCC's space constraints.
- MFL revisited Mimiges' "CRTP success story" presentation topic. Mimiges will confirm with speakers.
- Mimiges suggests a site tour like 3 years ago. James asked whether this is beneficial. Travis explained the previous problem of motivation as some participants were not interested in touring a plant. James suggested a staggered lunch, having half the group go while the other half had lunch. Group was responsive to idea as long as plant visits are interesting. James also suggested having a preliminary presentation of plant's problems followed by a visit.
- Csaba sees a tie between climate change and a presentation on dropping water levels in a plant.
- Melissa suggested Robert Robichaud, Environment Canada, to present on impacts to source water and need for water conservation.
- Bert asked about new lab testing and the liability regimes in place. Melissa said Robin can speak about accredited labs.
- James will give a presentation on the Clean Water Initiative as was done last year.
- Jennex asked for a presentation about provincial certifications and James expressed need for speakers from different provincial regimes.
- Csaba brought up issue of inconsistent flushing procedures.
- Jennex suggested well-head protection as a presentation topic.
- A case study was discussed by the group – suggestion made by Travis that Carl Yates speak about weather extremes and water conservation at Lake Major.
- Group discussed additional learning formats. Lorraine added the need for videos and visual presentations (ie. a video about water issues in other First Nation communities in Canada).
- Melissa introduced idea for table-top discussion exercise.

**ACTION ITEM: Committee members to contact respective "speakers" about invitation to deliver a presentation.**

*See whiteboard discussion notes on following pages.*

# TRAINING

- \* Emergency response ← Pump failures  
← storms
- \* END Brainstorm
- \* Weather impacts on Source water - Bob Robichaud EC
- \* Well Head Protection - CRTP Darryl or other + community planning
- \* Source water issues + Monitoring this water - CRTP perception + risks
- \* TEST (1 hr) ← teamwork
- \* CRTP Success Stories - CRTs
- \* Site Tour - water treatment plant + dropping water levels  
LAKE MAJOR - Hfx water  
Carl Yates (afternoon)
- \* Provincial Certification
- \* Centre for Water Res. Studies - Graham Gagnon  
© DAL
- \* WATER TRAX - HC
- \* APC Water Initiative - James ← sign
- HYDRANT INSPECTION
- WATER CONSERVATION + Climate Change
- \* Water Audits - CRTP
- \* Primary + Secondary Disinfection - CRTP ← accredited lab + liability
- \* New standard operating procedures - Robin Edwards MAXXAM
- Chlorine Disinfection By-Products - Community/Town
- INAC Protocol for centralized Water Systems - INAC
- VIDEO story from across Canada
- SCADA
- OR - Table Top case study discussion

# OPENING

- Prayer - Donna Augustine ← MF to contact  
Plan B = Matthew Sanipass
- House Keeping - Lynn (NSCC) + Jason (HC)
- Welcoming - Lech<sup>K</sup> or Paul Little NSCC
- Opening - John Paul or other APC

# KEYNOTE

- Dr. David Jones
- GERALD GLOADE \* MF to contact.
- AFN Rep - Irving Leblanc

# PLAN B

- Emergency Response
- Well Head
- Video

Wed.  
16<sup>th</sup>  
DAY 1

- 8-830 - Registration
- 830-845 - OPENING
- 845-930 - KEYNOTE
- 930-1000 - APC Clean Water Initiative James MacKinnon
- 10-1030 - Perceptions vs. Risks Graham Gagnon *CWRS @ DALHOUSIE U*
- 1030-1045 - BREAK *Transition to accredited labs - Len HC - Melissa*
- 1045-1130 -
- 1130-1230 - LUNCH
- 1230-130 - New Standard operating procedure MAXAM - HB
- 130-215 - WATER TRAX - HC *Melissa + others*
- 215-230 - BREAK
- 230-400 - Table Top Roles + Responsibilities - HC *for safe drinking water. - HB*

\* Jennifer  
for  
small

THURS.  
17<sup>th</sup>  
DAY 2

- 8-830 - Registration
- 830-845 - DAY 1 Review - Lynn + Jason
- 845-930 - Water Audits + INAC Protocols - CRTIP *- Darrell*
- 930-1015 - Water conservation + weather extremes *- Carl Jates fix water - APC*
- 1015-1030 - BREAK *LAKE MATHUR case study*
- 1030-1130 - Success stories - CRTIP + VIDEO - Darrell
- 1130-1230 - AWARD LUNCHEON
- 1230-115 - Primary + Secondary Disinfection - CRTIP *+ INAC Protocols - Darrell*
- 115-145 - DAY 2 Review - Lynn + Jason
- 145-215 - TEST
- 215-230 - Feedback - James + Mel
- 230-330 - Participation certificate + closing + Door Prizes

**Community Based Water Monitors/Operators Training  
November 2016**

*Planning Committee Meeting  
NSCC, 36 Arthur St., Truro  
Room 112  
October 20, 2016*



**AGENDA**

9:00 – 9:15am	<b>1) Welcome-Prayer</b>
9:15 – 9:30am	<b>2) Review of Minutes and Action Items from October 5, 2016 Meeting</b> (Documents provided)
9:30 – 10:00am	<b>3) Update on Registration Launch and Promotions</b> (Documents provided)
10:00 – 10:30am	<b>4) Group Check-In – Training Agenda and Speaker Confirmation</b> (Draft schedule provided)
10:30 – 10:45am	<b><i>BREAK</i></b>
10:45 – 11:30pm	<b>5) Group Check-In – Training Agenda and Speaker Confirmation CONTINUED</b>
11:30 – 12:15pm	<b><i>LUNCH (voucher provided)</i></b>
12:15 – 12:30pm	<b>6) Training Evaluation and Marking</b>
12:30 – 12:45pm	<b>7) Additional Topics</b>
12:45 – 1:00pm	<b>8) Next Meeting(s) – proposed date November 9, 2016, location TBD</b>

## **Meeting October 20<sup>th</sup>, 2016 - CBW Monitors/Operators Training November 2016**

### **Meeting Attendance:**

- Lynn Meloney - NSCC
- Travis Dymment – Water Monitor Lennox Island
- Bert Babineau—Water Monitor Buctouche
- Velma LaBillois – Water Monitor Eel River Bar
- Lois Ettinger - NSCC
- Darrell Jennex - North Shore Micmac District Council, Circuit Rider Training Program
- Lorraine Marshall - Water Monitor Bras d'Or Lakes
- Melissa Barreiro - Health Canada FNIHB EHO
- James MacKinnon - APC Housing Infrastructure
- Zane Asyied - APC Housing Infrastructure
- Matt Lees - APC Housing Infrastructure
- Csaba Kazamer – Indigenous and Northern Affairs Canada
- Mary-Frances Lynch – Woven Communication, Training Coordinator

### **Regrets:**

- Mimiges Tomer - North Shore Micmac District Council, Circuit Rider Training Program
- Tyler Patles - North Shore Micmac District Council, Circuit Rider Training Program
- Jason Catoul - Health Canada FNIHB EHO

### **1) Opening Prayer – Velma LaBillois**

### **2) Review of Minutes and Action Items as per October 5, 2106 Meeting**

**Action Item #1:** Lorraine will send list of ideas to MFL and group, then the group can review list later on. *Most popular was “Tapping into Knowledge – clean water and healthy communities”*

**Action Item #2:** CRT's will contact Operators in Burnt Church regarding success stories presentation. *Burnt Church, Kingsclear, Potlotek will be three communities examined in presentation. Await confirmation from Darrell Jennex.*

**Action Item #3:** MFL to confirm with Ramada. *Done.*

**Action Item#4:** MFL confirmed APC travel rates will be added to the letter. MFL outlined that the letter will be cleaned up and sent out next week to APC for review and finalizing. *Done.*

**Action Item#5:** Mimiges offered to send list of operators/monitors participants to MFL, James also confirmed he can send general list of participants to MFL. *Done.*

**Action Item #6:** MFL cited how she can enable a confirming email that provides automated info to attendees. *Done.*

**Action Item #7:** Melissa cited that she can relay posters to EHO partners. *Done.*

**Action Item #8:** Committee members to contact respective “speakers” about invitation to deliver a presentation. *Will discuss in agenda item #4.*

**3) a) Update on Registration Launch/Promotions**

- Registration launched last Friday, October 14th
- **As of Oct 20<sup>th</sup>, there are 28 registrations = 10 from Eventbrite, 15 from Fax, 3 from Email**
- MFL reviewed Eventbrite registration process and issues with registration - minimal
- MFL showed list of registrants, including people from all Provinces.
- **ACTION ITEM 1:** MFL to send the committee an update on registration numbers mid next week.

**b) Update on Promotions**

- MFL reviewed poster “Tapping Into Knowledge” – compliments on the poster, created by Maria Gallagher at InkBottle Design
- **ACTION ITEM 2:** Melissa Barreiro will send out a reminder to EHOs with poster again next week.
- Ad will go into *Mi'kmaw Maliseet Nations News* on November 3<sup>rd</sup>.

**4) Group Check-In Training Agenda**

- **ACTION ITEM 3:** Melissa Barreiro to confirm Health Canada speaker for opening remarks tomorrow.
- APC confirmed John Paul, Executive Director, APC, will perform opening comments.
- Donna Augustine confirmed for opening and closing prayer.
- Gerald Gloade confirmed as keynote speaker.
  - Lorraine Marshall cited Gloades’ recent performance at another function was impressive. There, he spoke for an hour and was quite informative.
- **ACTION ITEM 4:** APC will review the idea of the video upload (for Darrell Jennex’s presentation) on APC website.
- INAC idea to have an online database of presentations available for training participants. Members were responsive to this idea.
- **ACTION ITEM 5:** APC confirmed Graham Gagnon as speaker - timeslot yet to be confirmed.
- Melissa Barreiro cited that new Health Canada training manual will serve as reference for training and will be woven into presentations. The manual was passed around the table.
- Melissa Barreiro confirmed Environment Canada Meteorologist, Tracey Talbot to speak about weather impacts and emergency response. Tracey will speak Nov 17<sup>th</sup>, 12:30-1:30pm and Darrell Jennex will move his presentation to Nov 16<sup>th</sup> 2:30-4:00pm. See updated schedule.
- Melissa Barreiro confirmed Dave Hiscock of Halifax Water will present on weather extremes on Nov 17th, 9:30am.
- APC suggested that if there is extra time at end of Day 1, there could be a ½ hour review with a quick quiz and/or group photo.
- **ACTION ITEM 6:** Darrell Jennex will confirm specific presenters from Kingsclear, Potlotek, and Burnt Church later on.

- Lois Ettinger reviewed the awards luncheon details and confirmed that all will be timely, with catering planned as requested, within the Gallery.
- **ACTION ITEM 7:** Darrell and Melissa will try to get their respective award lists finalized by November 4<sup>th</sup> and send to APC so they can get awards signed and framed.
- INAC presented the idea of an additional award, such as a hat or jacket, to raise awareness of water monitor/operators role and to raise confidence/pride by acknowledging success. INAC further suggested a tiered approach where different awards are given based on varying levels of achievement. Darrell Jennex best summarized points as two-fold: (1) personalizing recognition and (2) gaining trust/confidence of communities as a whole.
  - Award ideas discussed -> aviation hat, personalized engraved pen
  - APC suggested looking to the private sector for awards/funding as federal funding on short-notice is unlikely.
  - Idea to hold a prize lottery for those who achieved 100% monitoring rate
  - Melissa Barreiro suggested that we can contemplate a wish list and solicit feedback/ideas on awards during training.
  - **ACTION ITEM 8:** Group will contemplate award ideas.
  - **ACTION ITEM 9:** APC will look into budget for award possibilities.
- MFL emphasized the opportunity for the operators and monitors to add any changes to the training schedule.
  - Monitor/operator members would like greater clarification on Watertrax as some of the older practices were easier, less complex, and less time-consuming. Melissa Barreiro cited that this will be built into HC's Watertrax presentations during the training and encouraged questions during presentation.
- **ACTION ITEM 10:** APC confirmed it will print biographies – to be sent to James by November 4<sup>th</sup>.
- **ACTION ITEM 11:** Presentation files should be sent to James by November 4<sup>th</sup> as well.
- **ACTION ITEM 12:** James to send Lynn a copy of bios and test after they are compiled.
- Items at sign-in table:
  - Name tags for participants
  - Sign in and out sheets
  - Photo consent form
  - Binders with training materials
  - Pens
  - Travel claim receipts
  - MFL and Lois Ettinger will be at sign in table during training

## 5) **Training Evaluation and Marking**

- Training test will be developed by Melissa Barreiro (HC) while training evaluation survey prepared by Lois Ettinger (NSCC).
- Tests will be marked by Lynn, Lois, APC and MFL off-site after the training – not required to have it done by the end of Day 2 as the CEUs and testing information will be mailed to participants afterwards.

- Lois Ettinger confirmed that this year's training could result in 4.50 CEUs.
- Darrell Jennex cited benefits of CEUs for future enrollment in college programs. Lynn Meloney expressed that CEU may be transferable for course content but not necessarily for an entire college credit – case by case basis.

#### 6) **Additional Topics**

- **ACTION ITEM 13:** NSCC will look into getting a photographer or a student photographer to take the pictures at the training. A consent form will be supplied to participants.
  - Group agreed to have group picture taken at the end of the training session Day 1.
- Suggestion to have photos from previous years rotating on-screen during breaks. All agreed this was a good idea. **ACTION ITEM 14:** James and Melissa to send MFL old photos.
- **ACTION ITEM 15:** APC will order binders for training materials which will include presentations, INAC protocols and loose-leaf paper once registration numbers are confirmed.
- **ACTION ITEM 16:** Lois Ettinger will confirm availability of lecture hall at NSCC, Tuesday November 15<sup>th</sup> after 2:30pm for setup.
- Darrell Jennex cited he could bring in equipment to showcase and exhibit at training.

#### 7) **Next Meeting**

- Thursday November 10<sup>th</sup>, 9am via teleconference. Details to follow.

**Community Based Water Monitors/Operators Training  
November 2016**

*Planning Committee Meeting  
November 10, 2016  
CONFERENCE CALL # 1-866-428-1156  
Participant Code 729707*



**AGENDA**

9:00 – 9:05am	<b>1) Welcome-Prayer</b>
9:05 – 9:15am	<b>2) Review of Minutes and Action Items from October 20, 2016 Meeting</b> (Document provided)
9:15 – 9:25am	<b>3) Update on Registration and Hotel Bookings</b> (Document provided)
9:25 – 9:35am	<b>4) Final Training Agenda</b> (Final schedule provided)
9:35 – 9:45am	<b>5) Training Materials Prep – Presentation and Biography Files</b>
9:45 – 9:55am	<b>6) Evaluation Update</b>
9:55 – 10:05am	<b>7) Catering Update</b>
10:05 – 10:15am	<b>8) Bus Update</b>
10:15 – 10:30am	<b>9) Awards Update</b>
10:30 – 10:40am	<b>10) Setup Logistics for November 15<sup>th</sup>, 2016</b>
10:40 – 10:50am	<b>11) Additional Topics</b>



**ATLANTIC POLICY CONGRESS**  
OF FIRST NATIONS CHIEFS SECRETARIAT

**Community Based Water Monitor/Operator Training  
Planning Committee  
Teleconference  
November 10<sup>th</sup>, 2016  
9:00 am – 10:00 am**

**In Attendance**

James MacKinnon - APC  
Zane Asyyed - APC  
Matt Lees - APC  
Sarah Rose - APC  
Mary-Frances Lynch – Woven Communication  
Jason Catoul – Health Canada, FNIHB EHO  
Lois Ettinger – NSCC  
Melissa Barreiro - Health Canada FNIHB EHO  
Darrell Jennex – CRTP  
Mimiges Tomer - CRTP  
Travis Dymnt – Water Monitor Lennox Island First Nation  
Velma Labillois Petersen – Water Monitor Eel River Bar  
Tyler Patles – Water Monitor NSMDC  
Bert Babineau—Water Monitor Buctouche

**Regrets**

Lynn Meloney – NSCC  
Lorraine Marshall - Water Monitor Bras d'Or Lakes  
Csaba Kazamer – Indigenous and Northern Affairs Canada

*(Minutes transcribed by Sarah Rose, Administrative Assistant, H&I, APC)*

Welcome

APC welcomed all participants to the teleconference and got right to business Community Based Water Monitor/Operator Training which is scheduled to take place November 16<sup>th</sup> & 17<sup>th</sup>, 2016, at NSCC in Dartmouth, Nova Scotia.

#### Review of Minutes from October 20<sup>th</sup>, 2016

- Gerald Gloade unable to do keynote, options for keynote speaker John Paul from APC
- Require photo release form for participants and group photo to be taken at 9:30 on 1<sup>st</sup> day
- APC to upload presentations, videos and training manual to the website along with INAC water protocols

#### Update on Registration and Hotel Booking

61 registrants, 40 rooms booked at hotel and updated list to be sent to Sarah on Monday

**Action Item # 1** Updated registration list emailed to Sarah

#### Finalized training agenda

- To add busing schedule to the agenda
- To add Chief Sidney Peters as opening remarks
- Keynote speakers options Dr David Jones, Irving LeBlanc or Elder Donna Augustine
- Lynn and Jason to MC and Melissa to fill in

**Action Item # 2** Mary-Frances to contact Elder Donna Augustine

#### Training materials

- 75 binders to be done
- Bio and presentations to be sent to James
- To have poster as a backdrop during training, remove yellow printing from poster and possibly previous years training session photoslide

**Action Items# 3** Melissa to bring additional binders

#### Evaluation update

- Evaluation is a chance to ask participants what they would like to see in the future training.
- Evaluation to be handed out with the test.

**Action Item # 4** Mary-Frances to capture notes and include with final report

#### Catering update

Agenda times for meals set, day one lunch voucher (\$15 value) to be handed out by Lois  
Turkey dinner set for 11:30 on day two

#### Bus update

Bus will leave the hotel at 7:45am and pick up participants at 4pm at NSCC, day two bus will leave at 7:45 am and pick up at NSCC for 3:30pm

### Awards update

- Award list is finalized and sent to APC, presentation of awards to be done by Len & James and CRTP awards to be done by Darrell & James
- Gift to participants to be given out during awards
- Gift to presenter
- Early registration draw (4 prizes) to be done on day two

### Setup logistics for November 15<sup>th</sup>

Setup at 2:30pm on November 15<sup>th</sup>

### Additional Topics

- Need to double check the list of parking passes required (Lynn), additional parking is available for \$2/day
- Testing is going to be 30 questions, there's no set time limit and testing is based on presentation and manual (open book testing)
- Abegweit participants needs to write early, Lois to confirm that there's a space for him to write test
- Next year no writing test early
- Attendance and sign in sheet for morning and afternoon on both days

## Appendix B: Training Invitation Letter and Registration Form



## ATLANTIC POLICY CONGRESS OF FIRST NATIONS CHIEFS SECRETARIAT

**To: Atlantic First Nations Band Managers & Community Based Water Monitors & Operators**

**From: Mary-Frances Lynch, Training Coordinator**

**Date: October 14<sup>th</sup>, 2016**

**Re: Community Based Water Monitors & Operators Training - November 16-17<sup>th</sup>, 2016**

Dear Community Based Water Monitors & Operators,

On behalf of the Atlantic Policy Congress of First Nations Chiefs Secretariat (APC), it is my pleasure to inform you of the upcoming Community Based Water Monitors and Water Operators Training Program, being held at the Nova Scotia Community College (NSCC) Waterfront Campus, Dartmouth NS.

This year's theme is ***"Tapping into Knowledge - Clean Water and Healthy Communities"***. The training will take place from **November 16<sup>th</sup>-17<sup>th</sup>, 2016**. All training materials will be supplied upon arrival at the training. An agenda will follow shortly.

**APC will only sponsor two participants per community** (Community Based Water Monitor /Operator). Appropriate back-up coverage for water monitoring and waste water operations in your community is recommended during the days of training.

### **Meeting Particulars:**

<b>Location:</b>	<b>NSCC Waterfront Campus 80 Mawiomi Place, Dartmouth, NS B2Y 0A5</b>
<b>Day 1: November 16th, 2016</b>	<b>Time: 8:00 AM-4:00 PM</b>
<b>Day 2: November 17th, 2016</b>	<b>Time: 8:00 AM-4:00 PM</b>

## APC Travel Rates:

<b>Hotel</b>	\$140.00 total per night
<b>Breakfast</b>	\$12.35 (*Free breakfast for those staying at Ramada Plaza Hotel)
<b>Lunch</b>	\$11.85 (*Lunch will be provided at NSCC during training)
<b>Supper</b>	\$33.15
<b>Incidentals</b>	\$17.30

**Travel:** Participants will be reimbursed for mileage & meals not provided at training in accordance with the APC travel rates. Please note that lunch vouchers will be provided on the days of training.

**Accommodations:** Interested participants will be responsible for making their own hotel reservations and travel arrangements. In accordance with APC Travel policy rooms can only be reimbursed up to \$140.00/per night. It is recommended that participants stay at the **Ramada Plaza Hotel** located on 240 Brownlow Ave. Dartmouth NS, B3B 1X6. **You are encouraged to book your room by Wednesday October 26<sup>th</sup> while rooms are blocked off for the APC.** Bookings can be made after October 26th but are subject to room availability. When booking, please reference Atlantic Policy Congress of First Nation Chiefs to secure rate of **\$114.95 + tax per night.** Call [1-800-561-3733](tel:1-800-561-3733) to book rooms.

**Please Note:** The APC will cover the hotel costs for the nights of November 15<sup>th</sup> and 16<sup>th</sup>. A request to stay an additional night on November 17<sup>th</sup> due to long travel distances can be made directly to James MacKinnon at [James.Mackinnon@apcfn.ca](mailto:James.Mackinnon@apcfn.ca). Likewise, if you do not require accommodations during the training and will be commuting from your home community, please notify James MacKinnon.

**Bus Transportation:** Bus services will be provided for participants attending the training. Pick up will be at the Ramada Plaza Hotel. If you are staying at different hotel, please make arrangements to be at the Ramada Plaza for pick up. Bus Departure time will be 7:45 am on both days of training. Bus Return time will be 4:00 pm to the hotel. Participants driving their own vehicles will be required to park either on Mount Hope Avenue or at the Dartmouth General Hospital paid parking lot across from the campus. Parking Rates at the hospital will be (\$8.00 per day). A Parking Pass from NSCC will not be issued out during the two day training.

In order to qualify to win an early bird prize, you must confirm your attendance by **Wednesday October 26, 2016**. You can confirm by faxing back registration form *Attention: James MacKinnon* at (902) 435-8027, via email to [CBWM.APC@gmail.com](mailto:CBWM.APC@gmail.com) or register online at [www.apcfn.ca](http://www.apcfn.ca). The registration form is enclosed.

Should you have any questions, please contact Mary-Frances Lynch, Training Coordinator at (902) 210-7350 or via email at [CBWM.APC@gmail.com](mailto:CBWM.APC@gmail.com).

We look forward to hearing from you.

### Mary-Frances Lynch

Training Coordinator

Phone: (902) 210-7350

Fax: (902) 435-8027

Email: [CBWM.APC@gmail.com](mailto:CBWM.APC@gmail.com)



ATLANTIC POLICY CONGRESS  
OF FIRST NATIONS CHIEFS SECRETARIAT

## Community Based Water Monitors/Operators Training

*"Tapping into Knowledge - Clean Water and Healthy Communities"*

November 16-17th, 2016  
NSCC Waterfront Campus  
80 Mawiomi Place, Dartmouth, Nova Scotia

### REGISTRATION FORM

NAME	
POSITION/TITLE	
COMMUNITY/ORGANIZATION	
MAILING ADDRESS	
EMAIL ADDRESS	
CONTACT NUMBER	
FAX NUMBER	

**Registration Instructions:**

- Please complete online registration at [www.apcfn.ca](http://www.apcfn.ca); or
- Please email registration to [CBWM.APC@gmail.com](mailto:CBWM.APC@gmail.com) or fax forms to (902) 435-8027, Attention: James MacKinnon **by October 26, 2016 for entry into early bird prize.**

**Notes:**

- Material Binder will be provided for registered participants
- Please list any food allergies here: \_\_\_\_\_

## Appendix C: Registration Database

**REGISTRATION - Community Based Water Monitors and Operators Training - November 16-17th 2016**

First Name	Last Name	Position/Title	Community/Organization	Street Address	Street Address	Province	Postal Code	Email Address	Phone Number	Fax Number	Allergies	EARLY BIRD (Y/N)	Eventbrite, Email Scan or Faxed		
1	Travis	Dymont	Water Operator	Lennox island	132 sweetgrasstrail	Lennox island	PE	C0B 1P0	<a href="mailto:travis.dymont@lennoxisland.com">travis.dymont@lennoxisland.com</a>	9024320309	9024320309	No	Y	Online	
2	Tyson	Paul	Research Assistant	UINR	12056 Highway 4	Chapel Island	NS	b0e 3b0	<a href="mailto:Tyson@uinr.ca">Tyson@uinr.ca</a>	902-371-0981	902 379 2159	none	Y	Online	
3	Thomas	Haddad	Water/Wastewater Operator	Metepenagiag Mi'kmaq Nation	2139 Micmac Road	Red Bank Reserve	NB	E9E 1C1	<a href="mailto:t.o.m.a.h.a.w.k@hotmail.com">t.o.m.a.h.a.w.k@hotmail.com</a>	506 210 2765	506 836 7593	None	Y	Online	
4	Simon	Paul	Water Operator	Woodstock First Nation	3 wulastock court	woodstock	NB	e7m4k6	<a href="mailto:simonpaul0331@gmail.com">simonpaul0331@gmail.com</a>	5063232177	5063280590	na	Y	Online	
5	Brian	Polchies	Water Monitor	Woodstock First Nation	3 wulastock court	woodstock	NB	e7b4k6	<a href="mailto:simonpaul0331@gmail.com">simonpaul0331@gmail.com</a>	5063240598	5063280590	na	Y	Online	
6	Michael	Ward	Water Monitor	Metepenagiag	1926 Micmac Road	Red Bank	NB	E9e2p2	<a href="mailto:mikef.ward@metepenagiag.com">mikef.ward@metepenagiag.com</a>	5066258686	5068367593	None	Y	Online	
7	Velma	LaBillois Petersen	Water Monitor	Eel River Bar First Nation	11 Main Street, Unit 201	Eel River Bar First Nation	NB	E8C-1A1	<a href="mailto:velmalbp@gmail.com">velmalbp@gmail.com</a>	506-753-9449	506-684-6282	no	Y	Online	
8	Valerie	Meader	Water Monitor	Millbrook First Nation	121 Fern Drive	Truro	NS	B2N6Y7	<a href="mailto:valeriej@millbrookhealth.ca">valeriej@millbrookhealth.ca</a>	9028905023	902-893-3665	no	Y	Online	
9	Valerie	Whynot	Water Monitor / Receptionist	Acadia First Nation - Wildcat Office	1059 Molega RD RR1	South Brookfield	NS	B0T 1X0	<a href="mailto:wildcatoffice@acadiaband.ca">wildcatoffice@acadiaband.ca</a>	902 350-2676	902 682-2409	none	Y	Online	
10	Kristen	Halliday	Councilor/Backup Water Monitor	Glooscap First Nation	159 Smith Rd	Hantsport	NS	B0P1P0	<a href="mailto:khalliday@glooscapfirstnation.co">khalliday@glooscapfirstnation.co</a>	902 689-1551	902 684-9890	none	Y	Faxed	
11	David	Smith	Maintenance and Water Monitor	Glooscap First Nation	159 Smith Rd	Hantsport	NS	B0P1P1	<a href="mailto:dsmith@glooscapfirstnation.com">dsmith@glooscapfirstnation.com</a>	902 401-6800	902 684-9890	none	Y	Faxed	
12	Angus	Sark	Public Works	Lennox Island	PO Box 134	Lennox Island	PE	C0B1P0	<a href="mailto:angus.sark@lennoxisland.com">angus.sark@lennoxisland.com</a>	902 831-2779/902 439-5942	902 831-3153	none	Y	Faxed	
13	Paula	Bartlett	CHR	Oromocto First Nation	Oromocto First Nation Health Centre, PO Box 2012	Oromocto	NB	E2V1B0	<a href="mailto:pgbart@hotmail.com">pgbart@hotmail.com</a>	506 357-1031/506 357-1027	506 357-1026	none	Y	Faxed	
14	Ashley	Sabattis	Water Monitor	Oromocto First Nation	Oromocto First Nation Health Centre, PO Box 2012	Oromocto	NB	E2V1B1	<a href="mailto:ashley_sabattis@hotmail.com">ashley_sabattis@hotmail.com</a>	506 357-1034	506 357-1026	none	Y	Faxed	
15	Darlene	Bachiri	Water Monitor	Pictou Landing First Nation	Box 48, Site 6	RR#2 Trenton	NS	B0K1X0	<a href="mailto:darlene_b@plfn.ca">darlene_b@plfn.ca</a>	902 752-0085	902 752-6465	none	Y	Faxed	
16	Clara	Harlow	Water Monitor	Bear River First Nation	PO Box 210	Bear River	NS	B0S1B0	<a href="mailto:clickchr@eastlink.ca">clickchr@eastlink.ca</a>	902 467-4197	902 467-0951	none	Y	Faxed	
17	Nelton	Dedam	Water Operator	Esgenoopetitj First Nation	620 Bayview Drive	BCFN	NB	E9G2A8	<a href="mailto:nelton.dedam@gmail.com">nelton.dedam@gmail.com</a>	506 776-1243	506 776-1243	none	Y	Faxed	
18	Dale	Ward	Water Operator	Esgenoopetitj First Nation	620 Bayview Drive	BCFN	NB	E9G2A8	<a href="mailto:dward_47@hotmail.com">dward_47@hotmail.com</a>	506 779-6121/506 776-1201	506 776-1243	none	Y	Faxed	
19	Douglas	Ashini	Director Public Works	Sheshatshiu Innu First Nation - Public Works	PO Box 160	Sheshatshiu Innu First Nation	NL	A0P1M0	<a href="mailto:dashini@sifn.ca">dashini@sifn.ca</a>	709 899-1368	709-497-3845	none	Y	Email Scan	
20	George	Snow	Water Monitor	Sheshatshiu Innu First Nation - Public Works	PO Box 160	Sheshatshiu Innu First Nation	NL	A0P1M0	<a href="mailto:dashini@sifn.ca">dashini@sifn.ca</a>	709 899-1368	709-497-3845	none	Y	Email Scan	
21	Scott	Clark	Water Monitor Trainee	Sheshatshiu Innu First Nation - Public Works	PO Box 160	Sheshatshiu Innu First Nation	NL	A0P1M0	<a href="mailto:dashini@sifn.ca">dashini@sifn.ca</a>	709 899-1368	709-497-3845	none	Y	Email Scan	
22	Joachim	Nui	Water Monitor	Mushuau Innu First Nation	PO Box 139, 15 Nui St.	Natuashish	NL	A0P7A0	<a href="mailto:joachimnuijr@hotmail.com">joachimnuijr@hotmail.com</a>	709 478-2402	709 478-8803	none	Y	Faxed	
23	Len Scott	Rich	Water treatment operator	Mushuau Innu First Nation		Natuashish	NL	A0P7A1	<a href="mailto:lenscottrich@hotmail.com">lenscottrich@hotmail.com</a>	709 478-8738/2686/8880	709 478-8803	none	Y	Faxed	
24	Jean-Guy	Cimon	Housing Coordinator	Madawaska Maliseet First Nation	1771 Main Street	Madawaska Maliseet First Na	NB	E7C1W9	<a href="mailto:louisecimon@yahoo.ca">louisecimon@yahoo.ca</a>	506 733-0536	506 735-1746	none	Y	Faxed	
25	Micheline	Plante	CHR Water Monitor Backup	Madawaska Maliseet First Nation	1771 Main Street	Madawaska Maliseet First Na	NB	E7C1W9	<a href="mailto:michemplant@yahoo.com">michemplant@yahoo.com</a>	506 735-0031	506 735-1746	none	Y	Faxed	
26	Mitch	Toney	Water Monitor	Annapolis Valley First Nation	29 Toney Blvd	Cambridge	NS	B0P1G0	<a href="mailto:lmtony@avfn.ca">lmtony@avfn.ca</a>	902 538-7149	902 538-7734	none	Y	Faxed	
27	Peter	McLeod	Water Monitor	Annapolis Valley First Nation	29 Toney Blvd	Cambridge	NS	B0P1G0	<a href="mailto:lmtony@avfn.ca">lmtony@avfn.ca</a>	902 538-7149	902 538-7734	none	Y	Faxed	
28	Karen	Oakes	Administration	AFN Health Center Gold River	28 Resby Lane	Chester Basin	NS	B0J 1K0	<a href="mailto:rffrontdesk@acadiaband.com">rffrontdesk@acadiaband.com</a>	902-277-0770	902-627-1361	none	Y	Online	
29	Darlene	Paul	Capital and Housing	Paqtnekek First Nation	7 Dillon Street	Antigonish County	NS	B0H1A0	<a href="mailto:darlene.paul@paqtnekek.ca">darlene.paul@paqtnekek.ca</a>	902 386-2781 ext 2228	902 386-2043	none	Y	Email Scan	
30	Tammy	Knockwood	Water Monitor	Fort Folly First Nation	48 Bernard Trail	Dorchester	NB	E4K 3B3	<a href="mailto:knockwta@hotmail.com">knockwta@hotmail.com</a>	506 540-0319	506 379-3408	hazel and brazil nuts	Y	Online	
31	Ryan	Traugh	Water Operator	Tobique First Nation / Neqotkuk Health Cent	108 Loop Rd.	Tobique First Nation	NB	E7H2W6	<a href="mailto:ryantraugh@hotmail.com">ryantraugh@hotmail.com</a>	506 273-0580	506 273-4402	none	Y	Online	
32	Thomas	Marshall	Water Operator	Chapel Island	90 Mikmawey School Rd.	Chapel island	NS	B0E3B0	<a href="mailto:axpeeg@yahoo.com">axpeeg@yahoo.com</a>	902 631-5649	902 535-3004	none	Y	Online	
33	Marsha	Rolfe	Community Based Water Monitor/Back-up operato	Boucouverte First Nations	9 Reserve Rd	Boucouverte Reserve	NB	E4S 4G2	<a href="mailto:pigme@live.ca">pigme@live.ca</a>	506-955-5567	506-743-8995	none	Y	Online	
34	Bertin	Babineau	Water Operator / Back-up Monitor	Boucouverte First Nations	9 Reserve rd	Boucouverte Reserve	NB	E4S 4G2	<a href="mailto:babineaubertin@hotmail.com">babineaubertin@hotmail.com</a>	506 743-4034	506-743-8995	none	Y	Online	
35	George	Snyder	Public Works Operator	EEL RIVER BAR	177 Mitchell Rd Belledune	Belledune	NB	e8g2s1	<a href="mailto:snydee24@hotmail.com">snydee24@hotmail.com</a>	506 522-8981	506-684-6282	none	Y	Online	
36	Noel	Doucette	Operator Water/Wastewater	Potlotek First Nation	51 Walakeke Road, RR 1 St Peter's	Richmond Co	NS	B0E 3B0	<a href="mailto:Noel.doucette@hotmail.com">Noel.doucette@hotmail.com</a>	902 631-5655	902 535-3004	Diabetic	Y	Online	
37	Stephen	Knockwood Sr.	Director of Operations and Maintenance	Sipekne'Katik Band	522 Church St	Indian Brook	NS	B0N1W0	<a href="mailto:sknockwood@sipeknekatik.ca">sknockwood@sipeknekatik.ca</a>	902 751-0169 / 902 758-3341	902 758-3345	none	Y	Faxed	
38	Katrina	Paul	Assistant Director of Operations and Maintenance	Sipekne'Katik Band	522 Church St	Indian Brook	NS	B0N1W0	<a href="mailto:katrinapaul@sipeknekatik.ca">katrinapaul@sipeknekatik.ca</a>	902 758-3341 / 902 758-2049	902 758-3345	none	Y	Faxed	
39	John	Simonson	Water Treatment and Water Monitor	Eel Ground First Nation	54 Riverview Road, East	Eel Ground, Miramichi	NB	E1V4E9	<a href="mailto:johnsimonson63@live.ca">johnsimonson63@live.ca</a>	506 625-6993	506 627-4602	none	Y	Online	
40	Steven	Peter-Paul	Water Operator	Pabineau First Nation	1290 Pabineau Falls Road	Pabineau First Nation	NB	E2A7M3	<a href="mailto:warrior_dancer@hotmail.com">warrior_dancer@hotmail.com</a>	506 547-4415	506 545-6968	apples	Y	Online	
41	Kevin	Moulton	Water Operator	Tobique First Nation	64 Lagoon Rd	Tobique First Nation	NB	E7H2R4	<a href="mailto:KevinMoulton48@hotmail.com">KevinMoulton48@hotmail.com</a>	506 995-0133	506 273-2780	none	Y	Faxed + Online	
42	Mark	Francis	Water Operator	Kingsclear First Nation	12 Maliseet Court	Kingsclear First Nation	NB	E3E2L3	<a href="mailto:Mark.1978@outlook.com">Mark.1978@outlook.com</a>	506 262-2122	506 363-4324	none	Y	Faxed	
43	Katrina	Sock	Water Monitor	Indian Island First Nation	95 Spruce St	Indian Island	NB	E4W5P1	<a href="mailto:katt_two87@hotmail.com">katt_two87@hotmail.com</a>	506 427-1987	506 523-8110	none	Y	Faxed	
44	Charles	Sock	Maintenance Coordinator	Elsipogtog First Nation	8 Ballpark St	Elsipogtog	NB	E4W2R9	<a href="mailto:csock2009@yahoo.com">csock2009@yahoo.com</a>	506 523-3626	506 523-8276	none	N	Faxed	
45	Dan	Lanteigne	Senior Circuit Rider Trainer	CRTP	54 Ruby St	Fredericton	NB	E3G7T1	<a href="mailto:danlanteigne@nsmdc-crtp.com">danlanteigne@nsmdc-crtp.com</a>	506 470-4166		none	N	Email Scan	
46	Darlene	Augustine	Water Monitor	Elsipogtog First Nation	205 Big Cove Rd.	Elsipogtog	NB	E4W2W4	<a href="mailto:darlene.augustine@ehwc.ca">darlene.augustine@ehwc.ca</a>	506 523-8227	506 523-4685	liquid diet	Y	Faxed	
47	Patrick	Jeddore	Water Monitor/Operator	Eskasoni	5281 Mountain Rd	Eskasoni	NS	B1W1A3	<a href="mailto:eskasoniwater@gmail.com">eskasoniwater@gmail.com</a>	902 578-0617		none	N	Faxed	
48	Dimitri	Prosper	Water Monitor/Operator	Eskasoni	5281 Mountain Rd	Eskasoni	NS	B1W1A3	<a href="mailto:eskasoniwater@gmail.com">eskasoniwater@gmail.com</a>	902 574-2086		none	N	Faxed	
49	Lorraine	Marshall	Water Monitor/Operator	Unamak Institute of Natural Resources	402 Shore Rd PO Box 8076	Eskasoni	NS	B1W1C2	<a href="mailto:lorraine@uinr.ca">lorraine@uinr.ca</a>	902 322-5682	902 379-2250	Diabetic	N	Faxed	
50	Tyler	Patles	Technical Services Manager	NSMDC	38 Micmac Road	Eel Ground	NB	E1V4B1	<a href="mailto:tyler.patles@nb.aibn.com">tyler.patles@nb.aibn.com</a>	506 627-4611	506 627-4613	none	N	Online	
51	Melanie	Purdy	Water Monitor	Acadia Band - Yarmouth	10526 Hwy 3	Yarmouth	NS	B5A4V9	<a href="mailto:mrobinson@acadiaband.com">mrobinson@acadiaband.com</a>	902 742-0257	902 742-4824	none	N	Email Scan	
52	Roderick	Gould	Transportation and Enviornment Coordinator	Abegweit First Nation	9 Trailview Drive	Charlottetown	PE	C1E 2J6	<a href="mailto:rgould@abegweit.ca">rgould@abegweit.ca</a>	902 388-8283	902 676-2734	none	N	Online	
53	Rex	Drew	W&S Maintenance Supervisor	Miawpukek	50 Miawpukek Drive	Conne River	NL	A0H1J0	<a href="mailto:rdrew@mfngov.ca">rdrew@mfngov.ca</a>	709 538-6191	709 882-2292	none	N	Online	
54	Nick	Sacobie	Water Operator	Kingsclear First Nation	420 Kingsclear Ave.	Fredericton	NB	E3E1J8	<a href="mailto:nicksacobie_80@hotmail.ca">nicksacobie_80@hotmail.ca</a>	506 262-0067		none	N	Faxed	
55	Johnny	Paul	Capital and infrastructure	St Mary's First Nation	98 Sandy Cove Lane	Dumfries	NB	E6G1S8	<a href="mailto:eaglefeathers2@gmail.com">eaglefeathers2@gmail.com</a>	506 230-0800	506 462-9491	none	N	Online	
56	Brett	Googoo	Operator in Training	Sipekne'Katik Band	522 Church St	Indian Brook	NS	B0N1W0	<a href="mailto:bgoogoo@sipeknekatik.ca">bgoogoo@sipeknekatik.ca</a>	902 758-3341 or 902 758-204	902 758-3345	none	Y	Faxed	
57	Stephen	Knockwood Jr.	Operator in Training	Sipekne'Katik Band	522 Church St	Indian Brook	NS	B0N1W0	<a href="mailto:katrinapaul@sipeknekatik.ca">katrinapaul@sipeknekatik.ca</a>	902 758-3341 or 902 758-204	902 758-3345	none	Y	Faxed	
58	Leon	Robinson	Heavy Equipment Operator	Sipekne'Katik Band	522 Church St	Indian Brook	NS	B0N1W0	<a href="mailto:katrinapaul@sipeknekatik.ca">katrinapaul@sipeknekatik.ca</a>	902 758-3341 or 902 758-204	902 758-3345	none	Y	Faxed	
59	Charles	Francis	Pipe Fitter	Sipekne'Katik Band	522 Church St	Indian Brook	NS	B0N1W0	<a href="mailto:katrinapaul@sipeknekatik.ca">katrinapaul@sipeknekatik.ca</a>	902 758-3341 or 902 758-204	902 758-3345	none	Y	Faxed	
60	Dakota	Brooks	Housing Intern and Water Monitor	Indian Island First Nation	61 Island Drive	Indian Island	NB		<a href="mailto:housing@iifn.ca">housing@iifn.ca</a>	506 521-0332	506 523-8110	none	Y	Faxed	
61	Stanford	Phillips		Waycobah First Nation		Waycobah	NS							N	
62	Fred	Silliboy	Manager Public Works Eskasoni	Eskasoni First Nation	63 Mini Mall Dr.	Eskasoni	NS	B1W1A5	<a href="mailto:fredricksylliboy@hotmail.com">fredricksylliboy@hotmail.com</a>	902 577-6579	902 379-2172	none	N	Online	
63	John	Paul	Director of Capital Public Works	Pictou Landing First Nation	Box 55 Site 6, RR2	Trenton	NS	B0K1X0	<a href="mailto:john.p@plfn.ca">john.p@plfn.ca</a>	902 759-5593	902 755-4715	none	N	Faxed	

**Presenters and Committee Members**

1	James	MacKinnon	APC
2	Zane	Assyed	APC
3	Matt	Lees	APC
4	John	Paul	APC
5	Mary-Frances	Lynch	Woven Communication
6	Lois	Ettinger	NSCC
7	Lynn	Meloney	NSCC
8	Melissa	Barreiro	Health Canada
9	James	Catoul	Health Canada
10	Darrell	Jennex	Circuit Rider Training Program
11	Mimiges	Tomer	Circuit Rider Training Program

12 Danny	Lanteigne	Circuit Rider Training Program
13 Norm	Isaac	Circuit Rider Training Program
14 Tristan	Brown	Circuit Rider Training Program
15 Donna	Augustine	Open, keynote and closing, Elsipogtog
16 Robyn	Edwards	Maxxam
17 Len	O'Neil	Health Canada
18 Lindsay	Anderson	Dalhousie Centre for Water Resources Studies
19 Paul	Little	NSCC
20 Dave	Hiscock	Halifax Water
21 Tracey	Talbot	Environment and Climate Change Canada
22 William	McGillivray	Health Canada

## Appendix D: Participant Sign-In Sheet

Community Based Water Monitors and Operators Training

Community/Organization	First Name	Last Name		November 16th		November 17th		Claim	Testing	Photo
				AM	PM	AM	PM			
1 Abegweit First Nation	✓ Roderick	Gould	1	RG	RG	RG	left early		✓	
2 AFN - Gold River	✓ Karen	Oakes	2	KO	KO	KO			✓	
3 AFN - Wildcat Office	✓ Valerie	Whynot	3	VW	VW	VW			VW	
4 AFN - Yarmouth	Melanie	Purdy								
5 Annapolis Valley First Nation	✓ Peter	McLeod	4	PM	PM	PM			PM	om
6 Annapolis Valley First Nation	✓ Mitch	Toney	5	MT	MT	MT		MGT	MT	
7 APC	Zane	Aspyed		Z.A	Z.A	Z.A				
8 APC	Matt	Lees		ML	ML					
9 APC	James	Mackinnon		SM						
10 APC	Sarah	Rose		SR						
11 Bear River First Nation	✓ Clara	Harlow	4	ch.	ch	ch.			✓	
12 Bouctouche First Nation	✓ Bertin	Babineau	7	BB	BB	BB			BB	
13 Bouctouche First Nation	✓ Marsha	Rolfe	8	MR	MR	MR			MR	
14 Chapel Island Pottok	✓ Thomas	Marshall	9	A.M.	A.M.	A.M.			A.M.	
15 CRTP	Tristan	Brown								
16 CRTP	Norm	Isaac		NI						
17 CRTP	Darrell	Jennex								
18 CRTP	Dan	Lanteigne		DL	DL	DL				
19 CRTP	Mimiges	Tomer								
20 Dalhousie Centre for Water Res	Lindsay	Anderson ✓								
21 Eel Ground First Nation	✓ John	Simonson	10	JS	JS	JS			✓	
22 Eel River Bar First Nation 3rd.	✓ Velma	LaBillois Petersen	11	VLBP	VLBP	VLBP			✓	
23 Eel River Bar First Nation	✓ George	Snyder	12	G.S	G.S	G.S			G.S	
24 Elsipogtog First Nation	✓ Darlene	Augustine	13	DA	DA	DA			✓	
25 Elsipogtog First Nation	✓ Donna	Augustine	14	DA	DA	DA			✓	
26 Elsipogtog First Nation	✓ Charles	Sock	15	CS	CS	CS			✓	
27 Environment & Climate Change Cdn	Tracey	Talbot								
28 Esgenoopetitj First Nation	✓ Nelton	Dedam	16	ND	ND	ND			ND	
29 Esgenoopetitj First Nation	<del>Date</del>	<del>Ward</del>								
30 Eskasoni First Nation	Patrick	Jeddore								
31 Eskasoni First Nation	Dimitri	Prosper								
32 Eskasoni First Nation	✓ Fred	Sylliboy	17	FS	FS	FS				

Community Based Water Monitors and Operators Training

17

Community/Organization	First Name	Last Name		November 16th		November 17th		Claim	Testing	Photo
				AM	PM	AM	PM			
33 Fort Folly First Nation	✓ Tammy Jo	Knockwood	18	ML	ML	ML	ML		ML	
34 Glooscap First Nation	✓ Kristen	Halliday	19	ML	ML	ML	ML		ML	
35 Glooscap First Nation	✓ David	Smith	20	D.S.	D.S.	D.S.	D.S.		D.S.	
36 Halifax Water	Dave	Hiscock								
37 Health Canada	Melissa	Barreiro								
38 Health Canada	James	Catoul								
39 Health Canada	William	McGillivray								
40 Health Canada	Len	O'Neil								
41 Indian Island First Nation	✓ Dakota	Brooks	21	DB	DB	DB	DB		DB	
42 Indian Island First Nation	✓ Katrina	Sock	22	K.S.	K.S.	K.S.	K.S.		K.S.	
43 Kingsclear First Nation	Mark	Francis								
44 Kingsclear First Nation	Nick	Sacobie								
45 Lennox Island First Nation	✓ Travis	Dyment	23	TD	TD	TD	TD	TD	TD	
46 Lennox Island First Nation	✓ Angus	Sark	24	AS	AS	AS	AS		AS	
47 Madawaska Maliseet First Nation	✓ Jean-Guy	Cimon	25	MP	MP	MP	MP	MP	MP	MP
48 Madawaska Maliseet First Nation	✓ Micheline	Plante	26	JCP	MP	MP	MP	MP	MP	MP
49 Maxxam	Robyn	Edwards		2						
50 Metepenagiag First Nation	✓ Thomas	Haddad	27	24	24	24	24		24	
51 Metepenagiag First Nation	✓ Michael	Ward	28	MW	MW	MW	MW		MW	
52 Miawpukek	✓ Rex	Drew	29	R.D.	R.D.	R.D.	R.D.		R.D.	
53 Millbrook First Nation	✓ Valerie	Meader	30	VM	VM	VM	VM		VM	
54 Mushuau Innu First Nation	Joachim	Nui								
55 Mushuau Innu First Nation	Len Scott	Rich								
56 North Shore MDC	✓ Tyler	Patles		TP	TP	TP	TP			
57 NSCC	Lois	Ettinger								
58 NSCC	Paul	Little								
59 NSCC	Lynn	Meloney								
60 Oromocto First Nation	✓ Paula	Bartlett	31	PB	PB	PB	PB		PB	
61 Oromocto First Nation	✓ Ashley	Sabattis	32	AS	AS	AS	AS		AS	
62 Pabineau First Nation	✓ Steven	Peter-Paul	33	S.P.	S.P.	S.P.	S.P.		S.P.	✓
63 Paqtnkek First Nation	✓ Darlene	Paul								
64 Pictou Landing First Nation	✓ Darlene	Bachiri	34	DB	DB	DB	DB		DB	

5

Community Based Water Monitors and Operators Training

Community/Organization	First Name	Last Name	November 16th		November 17th		Claim	Testing	Photo
			AM	PM	AM	PM			
65 Pictou Landing First Nation	John	Paul							
66 Potlotek First Nation	✓ Noel	Doucette	35						
67 Saint Mary's First Nation	✓ Johnny	Paul	36						
68 Sheshatshiu Innu First Nation - PW	✓ Douglas	Ashini	37						
69 Sheshatshiu Innu First Nation - PW	✓ Scott <i>Tan</i>	<del>Rich</del> <i>Rich</i>	38						
70 Sheshatshiu Innu First Nation - PW	✓ George	Snow	48						
71 Sipekne'Katik First Nation	Charles	Francis							
72 Sipekne'Katik First Nation	Brett	Googoo ✓							
73 Sipekne'Katik First Nation	Stephen	Knockwood Jr. ✓							
74 Sipekne'Katik First Nation	✓ Stephen	Knockwood Sr.	39						
75 Sipekne'Katik First Nation	Katrina	Paul ✓							
76 Sipekne'Katik First Nation	Leon	Robinson							
77 Tobique First Nation	* ✓ Kevin	Moulton	40						
78 Tobique First Nation	✓ Ryan	Traugh	41						
79 Unamaki Institute of Nat Res	✓ Lorraine	Marshall	42						
80 Unamaki Institute of Nat Res	✓ Tyson	Paul	43						
81 Waycobah First Nation	Stanford	Phillips							
82 Woodstock First Nation	✓ Simon	Paul	44						
83 Woodstock First Nation	✓ Brian	Polchies	45						
84 Woven Communication	Mary-Frances	Lynch							
85 <del>INAC</del>	<del>Osabe</del>	<del>Kazamer</del>							
86 <del>Adam</del>									
87 <i>Pabineau</i>	✓ Christopher	<i>Turkenko</i>	46						
88 <i>Tobique</i>	✓ Adam	<del>Scott</del> <i>Sault</i>	47						
89 <i>Clapostag</i>	Sharon	Augustine							
90									
91									
92									
93									
94									
95			48			51			
96									

## Appendix E: Training Poster and Newspaper Ad

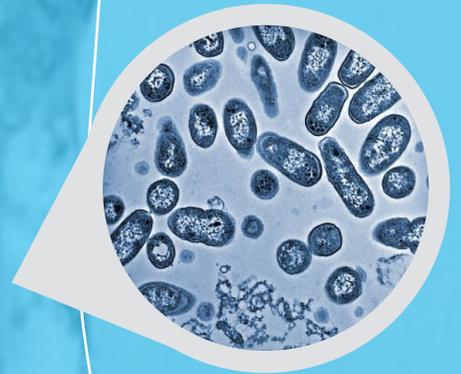
# TAPPING INTO KNOWLEDGE

## CLEAN WATER AND HEALTHY COMMUNITIES

First Nations water monitors and operators across Atlantic Canada are invited to attend the Community Based Water Monitors and Operators Training

**November 16-17**  
Nova Scotia  
Community College,  
Waterfront Campus,  
Dartmouth, N.S.

Travel, accommodation and meal costs covered by the APC.



**ATLANTIC POLICY CONGRESS**  
OF FIRST NATIONS CHIEFS SECRETARIAT

[www.apcfnc.ca](http://www.apcfnc.ca)

**Registration** information can be found at [www.apcfnc.ca](http://www.apcfnc.ca)  
You can fax form to (902) 435-8027 (Attn James MacKinnon)  
or email to [CBWM.APC@gmail.com](mailto:CBWM.APC@gmail.com)

**Questions?** Contact Training Coordinator  
Mary-Frances Lynch at (902) 210-7350

10.25" x 6.3"

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Mary-Frances Lynch at (902) 210-7350



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[www.apcfnc.ca](http://www.apcfnc.ca)

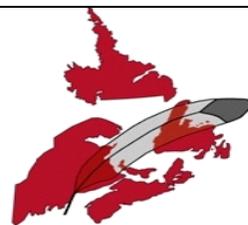
## Appendix F: Training Schedule

## Community Based Water Monitors/Operators Training 2016

*"Tapping Into Knowledge - Clean Water and Healthy Communities"*

November 16<sup>th</sup> - 17<sup>th</sup>, 2016

NSCC Waterfront Campus, Dartmouth, NS



November 16<sup>th</sup>, 2016

(Day 1)

**7:45 am – Shuttle bus pick up at Ramada Plaza Hotel**

**8:00 - 8:30 am Registration** Snider Gallery

**8:30 – 8:45 am:** NSCC Waterfront – Presentation Theatre Room 2200 (herein referred to as "Theatre")

Opening Prayer: Donna Augustine

Training Overview: Lynn Meloney, Nova Scotia Community College & Jason Catoul, Health Canada

Welcoming Comments: Paul Little Principal, NSCC Waterfront Campus & William McGillivray, Regional Director of Programs, Health Canada

Opening Comments: Chief Sidney Peters, Glooscap First Nation, on behalf of Atlantic Policy Congress of First Nations Chiefs

**8:45 - 9:30 am** Keynote Speaker (Theatre)

*Relationship between Indigenous Peoples and Water*

Presenter: Donna Augustine, Thunderbird Turtle Woman, Ceremonial Leader, Elsipogtog First Nation

**9:30 – 9:40 am** **GROUP PHOTO (Theatre)**

**9:40 – 10:00 am** (Theatre)

*APC Clean Water Initiative Update*

Presenter: James MacKinnon, Policy Analyst, Housing & Infrastructure, APC

**10:00 - 10:30 am** (Theatre)

*Perceptions and Risks in Water Monitoring*

Presenter: Lindsay Anderson, Dalhousie Centre for Water Resources Studies

**10:30 - 10:45 am** **Nutrition Break (Snider Gallery)**

**10:45 – 11:30 am** (Theatre )

*New Community Based Water Monitor Standard Operating Procedures (SOP)*

Presenter: Robyn Edwards, Microbiology Supervisor, MAXXAM Analytics

**11:30 am- 12:30 pm** **Lunch (Cafeteria) - Voucher to be provided**

**12:30 - 1:00 pm** (Theatre )

*CBWM and Data Input: WaterTrax*

Presenter: Melissa Barreiro, Environmental Health Officer, HC

**1:00 – 1:30 pm** (Theatre)

*Roles and Responsibilities*

Presenter: Jason Catoul, Environmental Health Officer, HC

**1:30 – 2:15 pm** (Theatre )

*Best Practices for First Nations Drinking Water Quality Monitoring Atlantic Region*

Presenter: Len O'Neill, Regional Environmental Health Officer, HC

**2:15 - 2:30 pm** **Nutrition Break (Snider Gallery)**

**2:30 – 4:00 pm** (Theatre )

*Primary and Secondary Disinfection*

Presenter: Darrell Jennex, & Danny Lanteigne, Circuit Rider Training Program

**4:00pm – Shuttle bus pick up at NSCC**

November 17<sup>th</sup>, 2016  
(Day 2)

**7:45 am – Shuttle bus pick up at Ramada Plaza Hotel**

**8:00 - 8:30 am Registration** Snider Gallery

**8:30 - 8:45 am** (Theatre)

*Day 1 Review*

Lead: Lynn Meloney, NSCC & Jason Catoul, HC

**8:45 - 9:30 am** (Theatre)

*Water Audits - Are Forever!*

Presenter: Darrell Jennex & Danny Lanteigne, Circuit Rider Training Program

**9:30 - 10:15 am** (Theatre)

*Water Distribution Leak Detection & How it Helps During Drought Conditions*

Presenter: Dave Hiscock, Halifax Water

**10:15 – 10:30 am Nutrition Break (Snider Gallery)**

**10:30 - 11:30 am** (Theatre)

*Success Stories from Esgenoopetitj, Kingsclear and Potlotek*

*Team Work Under Pressure (Esgenoopetitj, NB)*

Presenters: Tristan Brown, CRTP , Dale Ward, Lead Operator, Nelton Dedam, Secondary Operator

*Source to Distribution System - Water Quality Management (Potlotek, NS)*

Presenters: Norm Isaac, CRTP & Noel Doucette, Lead Operator

*The Way We Were! (Kingsclear, NB)*

Presenters: Danny Lanteigne, CRTP & Mark Francis, Lead Operator

**11:30 am - 12:30 pm Awards Luncheon (Snider Gallery)**

**12:30 - 1:30 pm** (Theatre)

*Weather Impacts on Emergency Preparedness and Response*

Presenter: Tracey Talbot, Environment and Climate Canada

**1:30 -1:45 pm** (Theatre)

*Day 2 Review*

Lead: Lynn Meloney, NSCC & Jason Catoul, HC

**1:45 - 2:15 pm** (Theatre)

*Written Test*

**2:15 - 2:30 pm Nutrition Break (Snider Gallery)**

**2:30 - 3:00 pm** (Theatre)

*Feedback & Recommendations*

Lead: James MacKinnon, APC & Melissa Barreiro, HC

**3:00 – 3:30 pm** (Theatre)

*Closing*

Lead: NSCC & Donna Augustine

**3:30pm – Shuttle bus pick up at NSCC**

## **Training Notes**

- All participants are required to sign in each day for the morning sessions and the afternoon sessions. If you do not sign in, certificates and travel reimbursement will not be issued.
- Sign in sheets will be at the registration table in the Snider Galley. If you have any questions on this process feel free to ask the staff.
- All presentations will take place in the Presentation Theatre, Room 2200.
- Please take the time to fill out the training evaluations and participate in the feedback & recommendations session. Your input is important to us and we use the information for planning the next training session.

The Community Based Water Monitors / Operators Training Planning Committee hopes you enjoy the training!

## Appendix G: Speaker Biographies

### **Donna Augustine - Elsipogtog**

Donna Augustine (Thunderbird Turtle Woman) is a Ceremonial Knowledge Keeper of her people. She is Mi'kmaq, from the Elsipogtog First Nation in New Brunswick. She has been conducting Traditional Ceremonies for over forty years. Protection of burial sites and the repatriation of ancestors and sacred items has become her life purpose. This work has brought her throughout Canada, the U.S., South America and Europe.

She is an official designate under NAGPRA (Native American Graves Protection Repatriation Act) Law with the Aroostook Band of Micmac's and the Wabanaki Tribes of Maine since 1990. She now serves on International Repatriation; and this past May; she was a speaker at the United Nations Permanent Forum on Indigenous Issues in New York City. She is on many boards including the Indigenous Advisory Council to the new Human Rights Museum in Winnipeg Manitoba.

To her; her most sacred gifts from the Creator are her seven children and nineteen grandchildren. She has always been very proud to be a Mi'kmaq woman; and believes that you have to know your identity; who you are; before knowing what you can offer to the world.

### **James MacKinnon – APC**

James MacKinnon is a Policy Analyst and current team lead of the Housing & Infrastructure Department at Atlantic Policy Congress of First Nations Chiefs Secretariat (APC). James began working at APC as a Junior Policy Analyst in 2012. James studied Dalhousie University, receiving a Bachelor Science, double major in Chemistry & Sociology and is currently studying a Masters of Public Administration at Dalhousie. During his time as an undergrad, James worked part time as an Assistant Chemical Safety Officer with Dalhousie University's Environmental Health and Safety Office and as a Technical Officer in a Natural Products Chemistry Lab at the National Research Council of Canada.

### **Lindsay Anderson – Dalhousie**

Lindsay is currently a PhD student in civil engineering at Dalhousie University. She received her B.Eng in Environmental Engineering from Dalhousie in 2011 and finished her MASC in Civil engineering at Dalhousie in 2013. Prior to starting her PhD, Lindsay was a Research Engineer at the Centre for Water Resources Studies (CWRS) where she worked on several water treatment and distribution projects in Atlantic Canada.

### **Robyn Edwards- MAXXAM Analytics**

Robyn is a Microbiology Laboratory Supervisor Maxxam Analytics, bringing 11 years of experience. Robyn received her Bachelor of Science, Major in Biology from Saint Mary's University. Robyn's area of expertise is Environmental Microbiology Testing and Quality Assurance Auditing and is currently a third party assessor for the Community Based Drinking Water Monitor Program

### **Melissa Barreiro & Jason Catoul – Environmental Health Officer, Health Canada**

Melissa Barreiro and Jason Catoul are Environmental Health Officers employed by Health Canada, FNIHB Atlantic and provide environmental public health services to various First Nations communities within the Atlantic Region.

### **Len O’Neil – Regional Manager of Environmental Public Health Program for Health Canada-FNIHB**

Len O’Neill is the Regional Manager of the Environmental Public Health Program for Health Canada, First Nations and Inuit Health Branch, Atlantic region. He has a Masters Health Services Management, Certificate in Public Health Inspection (Canada), Certified Occupational Health and Safety Technologist as well as a Registered Occupational Hygiene Professional.

Len has worked as the regional manager for 20 years providing environmental public health services to First Nations throughout the Atlantic region. Prior to joining Health Canada Len was in the Canadian Armed Forces. During his service he was deployed to a United Nations Tour in Cyprus, and to Operation Desert Storm as the senior preventive medicine technician. Len was also the leading instructor and responsible for training standards in preventive medicine for junior, intermediate and senior levels of training at the Canadian Forces Medical Services School

### **Darrell Jennex – Circuit Rider Training Program (CRTP) – Program Manager**

Darrell Jennex was born in Dartmouth, Nova Scotia, and raised in the nearby community of Westphal. A graduate of Dartmouth Community College in Building Technology, he has education in Business Management, is a Certified Engineering Technologist and has recently obtained the designation of Environmental Professional in Education and Training.

Darrell has nearly 30 years of experience in the environmental field of water resource management and technology, he has specialized in water and wastewater treatment operations and training. He has worked in his current field of expertise for the Halifax Regional Municipality, Town of Truro and for the last 15 years delivered the Circuit Rider Training Program to First Nation operators in Atlantic Canada.

In his spare time, enjoys restoring and riding vintage motorcycles, carpentry, movies and has taken up rowing and sailing. Darrell and Janice, happily married for 35 years are proud parents of two beautiful daughters.

### **Dan Lanteigne, Senior Circuit Rider Trainer, CRTP**

Dan was born in Toronto, Ontario but raised primarily in New Brunswick. After community college Dan served time in the Canadian Armed Forces in a technical trade. He wanted to further his education so he relocated to Fredericton in hopes of being accepted into a Mechanical Engineering program at the University of New Brunswick.

During this waiting period he accepted a job as a Water and Waste Water operator with the City of Fredericton. His career was launched from this point onward.

Promoted to Foreman and then to Supervisor, Dan commissioned both Water Treatment Plants where he served for 25 years.

He then accepted a position with North Shore Micmac District Council as a senior circuit rider trainer, which he enjoys immensely. Dan is a recipient of a Lifetime Membership Award with the Maritime Water and Wastewater Association and has over 30 years experience in the industry.

Dan has three beautiful daughters and is currently planning a marriage to his fiancé Stacey. He enjoys working out and walks with Stacey and his labra doodle dog Huey.

### **Tristan Brown, Circuit Rider Trainer, CRTP**

Tristan Brown is a Class 4 Water Treatment/Class 3 Waste Water treatment operator with a passion for classroom teaching and training. Tristan graduated from Algonquin College in the Water and Waste Water Technologist program and immediately moved out to the booming west to start his career at a Class 3 Water Treatment/Class 2 Aerated Lagoon Waste Water Treatment facility.

After acquiring his first Industry Certification Standards, Tristan moved back to his Ontario home to work at a Class 3 Conventional Water Treatment Plant.

After acquiring further training and certification, Tristan became the project supervisor at a Class 3 Water Treatment Plant in Northern Ontario.

Always on the lookout to further his experience in the Water and Waste Water industry, Tristan then joined the Circuit Rider Training Program and has been happily serving in that capacity ever since.

As the best looking member of the CRTP team, Tristan brings enthusiasm and a positive attitude to his work and especially enjoys preparing Water/Waste Water operators to write and pass their certification exams. In his free time Tristan enjoys outdoor pursuits and music.

### **Norman Isaac, Circuit Rider Trainer, CRTP**

Norman Isaac currently resides in Chapel Island First Nation, and has been a Circuit Rider Trainer with the North Shore Micmac District Council Inc. since 2010. He also has over 8 years of experience as a water and wastewater operator.

His qualifications are a Class 1 water distribution certificate, Class 2 water treatment certificate, Class 1 wastewater collection certificate, and Class 1 wastewater treatment certificate. He also has fire hydrant maintenance training and electrical workshop 1 & 2 training.

### **Dave Hiscock, Halifax Water**

Dave Hiscock is Halifax Water East Region Water Services Superintendent. Dave has 30 years' experience in the potable water industry and is currently responsible for a Level III water system that serves the Dartmouth, Burnside, Cole Harbour, EP, NP and Aerotech area. The system contains roughly 575 KM of pipe, 32,000 service connections, 3300 hydrants, 6000 valves encompassed in 20 DMA's.

### **Tracey Talbot, Services Support Meteorologist, Environment and Climate Change Canada**

Tracey attended McGill University and graduated in 1997 with a joint BSc in Atmospheric Science and Environmental Science followed by a Masters Degree in 2000 in Physical Geography. She joined Environment Canada in 2002 and began working as a weather forecaster at the Atlantic Storm Prediction Center in Dartmouth, NS. In 2007, Tracey moved to Gander, Newfoundland in 2007 and worked as a supervisor at the Newfoundland and Labrador Weather Office. In 2011, Tracey relocated back to Dartmouth in 2011 and since then has been working with the Warning Preparedness Program. Some of the work she does includes providing weather support to emergency management agencies at all levels of government as well as private sector partners. Tracey also handles media requests and is involved in weather training sessions provided to emergency management officials.

## Appendix H: Training Evaluation Results

## Summary Evaluation

Tapping Into Knowledge – Clean Water and Healthy Communities

WATERFRONT CAMPUS

COURSE NAME

CAMPUS LOCATION

November 16<sup>th</sup> – 17<sup>th</sup>, 2016

DATE

A. A course outline / binder was handed out at the beginning of this Workshop

YES - 31 (11 - *had not circled yes or no*) NO (circle)

**B. PRESENTER'S FEEDBACK**

<b>Donna Augustine, (Elsipotog First Nation)</b>	Strongly Agree	Agree	Disagree	Strongly Disagree	Not Applicable
Presenter demonstrated a thorough knowledge of the subject	24	18			
Presenter demonstrated enthusiasm for the subject	26	16			
Presenter's presentation met my learning needs	21	20	1		
Presenter gave participants opportunity to ask questions	25	16	1		
Presenter made the subject matter interesting	24	18			
Did the Presenter allow sufficient discussion?	24	18			

<b>James MacKinnon (Policy Analyst, Housing &amp; Infrastructure, APC)</b>	Strongly Agree	Agree	Disagree	Strongly Disagree	Not Applicable
Presenter demonstrated a thorough knowledge of the subject	23	19			
Presenter demonstrated enthusiasm for the subject	24	18			
Presenter's presentation met my learning needs	24	18			
Presenter gave participants opportunity to ask questions	23	19			
Presenter made the subject matter interesting	24	18			
Did the Presenter allow sufficient discussion?	24	18			

<b>Lindsay Anderson (Dalhousie – Centre for Water Resources Studies)</b>	Strongly Agree	Agree	Disagree	Strongly Disagree	Not Applicable
Presenter demonstrated a thorough knowledge of the subject	25	17			
Presenter demonstrated enthusiasm for the subject	26	16			
Presenter's presentation met my learning needs	24	17			
Presenter gave participants opportunity to ask questions	25	17			
Presenter made the subject matter interesting	26	16			
Did the Presenter allow sufficient discussion?					

<b>Robyn Edwards, Microbiology Supervisor, MAZZAM Analytics</b>	Strongly Agree	Agree	Disagree	Strongly Disagree	Not Applicable
Presenter demonstrated a thorough knowledge of the subject	27	15			
Presenter demonstrated enthusiasm for the subject	25	17			
Presenter's presentation met my learning needs	26	16			
Presenter gave participants opportunity to ask questions	25	17			
Presenter made the subject matter interesting	25	17			
Did the Presenter allow sufficient discussion?	24	18			

<b>Melissa Barreiro, Environment Health Office, Health Canada</b>	Strongly Agree	Agree	Disagree	Strongly Disagree	Not Applicable
Presenter demonstrated a thorough knowledge of the subject	23	18			1 no answer
Presenter demonstrated enthusiasm for the subject	25	16			1 no answer
Presenter's presentation met my learning needs	21	20			1 no answer
Presenter gave participants opportunity to ask questions	24	17			1 no answer
Presenter made the subject matter interesting	21	20			1 no answer
Did the Presenter allow sufficient discussion?	24	17			1 no answer

<b>Jason Catoul, Environment Health Officer, Health Canada</b>	Strongly Agree	Agree	Disagree	Strongly Disagree	Not Applicable
Presenter demonstrated a thorough knowledge of the subject	24	17			1 no answer
Presenter demonstrated enthusiasm for the subject	22	19			1 no answer
Presenter's presentation met my learning needs	23	18			1 no answer
Presenter gave participants opportunity to ask questions	23	18			1 no answer
Presenter made the subject matter interesting	23	18			1 no answer
Did the Presenter allow sufficient discussion?	23	18			1 no answer

<b>Len O'Neill, Regional Environmental Health Office, Health Canada</b>	Strongly Agree	Agree	Disagree	Strongly Disagree	Not Applicable
Presenter demonstrated a thorough knowledge of the subject	26	15			1 no answer
Presenter demonstrated enthusiasm for the subject	24	17			1 no answer
Presenter's presentation met my learning needs	26	15			1 no answer
Presenter gave participants opportunity to ask questions	25	16			1 no answer
Presenter made the subject matter interesting	26	15			1 no answer
Did the Presenter allow sufficient discussion?	24	17			1 no answer

<b>Darrell Jennex, Circuit Rider</b>	Strongly Agree	Agree	Disagree	Strongly Disagree	Not Applicable
Presenter demonstrated a thorough knowledge of the subject	24	16			2 no answer
Presenter demonstrated enthusiasm for the subject	23	17			2 no answer
Presenter's presentation met my learning needs	20	20			2 no answer
Presenter gave participants opportunity to ask questions	20	20			2 no answer
Presenter made the subject matter interesting	21	19			2 no answer
Did the Presenter allow sufficient discussion?	20	20			2 no answer

<b>Danny Lanteigne (CRTP Senior Trainer)</b>	Strongly Agree	Agree	Disagree	Strongly Disagree	Not Applicable
Presenter demonstrated a thorough knowledge of the subject	22	19			1 no answer
Presenter demonstrated enthusiasm for the subject	21	20			1 no answer
Presenter's presentation met my learning needs	21	20			1 no answer
Presenter gave participants opportunity to ask questions	20	21			1 no answer
Presenter made the subject matter interesting	20	21			1 no answer
Did the Presenter allow sufficient discussion?	20	21			1 no answer

<b>Dave Hiscock, Halifax Water</b>	Strongly Agree	Agree	Disagree	Strongly Disagree	Not Applicable
Presenter demonstrated a thorough knowledge of the subject	23	16			3no answer
Presenter demonstrated enthusiasm for the subject	22	17			3no answer
Presenter's presentation met my learning needs	22	17			3no answer
Presenter gave participants opportunity to ask questions	20	19			3no answer
Presenter made the subject matter interesting	22	17			3no answer
Did the Presenter allow sufficient discussion?	20	19			3no answer

<b>Tristan Brown, Dale Ward, Nelton Dedam (Team Work Under Pressure)</b>	Strongly Agree	Agree	Disagree	Strongly Disagree	Not Applicable
Presenter demonstrated a thorough knowledge of the subject	21	18			3no answer
Presenter demonstrated enthusiasm for the subject	22	17			3no answer
Presenter's presentation met my learning needs	22	17			3no answer
Presenter gave participants opportunity to ask questions	22	17			3no answer
Presenter made the subject matter interesting	21	18			3no answer
Did the Presenter allow sufficient discussion?	22	17			3no answer

<b>Norm Isaac, Noel Doucette (Source to Distribution System)</b>	Strongly Agree	Agree	Disagree	Strongly Disagree	Not Applicable
Presenter demonstrated a thorough knowledge of the subject	21	18			3no answer
Presenter demonstrated enthusiasm for the subject	19	20			3no answer
Presenter's presentation met my learning needs	20	19			3no answer
Presenter gave participants opportunity to ask questions	20	19			3no answer
Presenter made the subject matter interesting	20	19			3no answer
Did the Presenter allow sufficient discussion?	20	19			3no answer

<b>Danny Lanteigne, Mark Francis (The Way We Were)</b>	Strongly Agree	Agree	Disagree	Strongly Disagree	Not Applicable
Presenter demonstrated a thorough knowledge of the subject	17	13			12 no answer
Presenter demonstrated enthusiasm for the subject	16	14			12 no answer
Presenter's presentation met my learning needs	16	14			12 no answer
Presenter gave participants opportunity to ask questions	16	14			12 no answer
Presenter made the subject matter interesting	17	13			12 no answer
Did the Presenter allow sufficient discussion?	15	16			12 no answer

<b>Tracey Talbot, Environment &amp; Climate Canada</b>	Strongly Agree	Agree	Disagree	Strongly Disagree	Not Applicable
Presenter demonstrated a thorough knowledge of the subject	27	12			3no answer
Presenter demonstrated enthusiasm for the subject	25	14			3no answer
Presenter's presentation met my learning needs	26	13			3no answer
Presenter gave participants opportunity to ask questions	25	14			3no answer
Presenter made the subject matter interesting	26	14			3no answer
Did the Presenter allow sufficient discussion?	25	13			3no answer

**FACILITATOR'S FEEDBACK**

<b>LYNN MELONEY and JASON CATOUL</b>		<b>YES</b>	<b>NO</b>
Did you feel you were well briefed about the Agenda and Logistics where they need to be, when, and what's coming next, etc.?	<b>39</b>		
Was the Mini-quiz a good refresher of the last day's information?	<b>39</b>		
The Facilitator's were Professional and well Prepared:			
		<b>YES</b>	<b>NO</b>
<b>Lynn Meloney</b>	40		
<b>Jason Catoul</b>	40		

3- no answers

2- no answers

**CATERING; FACILITY AND COORDINATORS**

	<b>YES</b>	<b>NO</b>
Was the facility (Waterfront Campus) appropriate for the training?	41	
Was the Lunch and Breaks service acceptable? Turkey Dinner?	41	
Did the Staff coordinating the training session meet your satisfaction?	41	

1 – no answer

**COMMENT FEEDBACK**

What did you enjoy most about the Workshop?

- “Laughter & Info”
- “Learning more and updates”
- “The instructors were very knowledgeable”
- “Fun, Food”
- “Always enjoy the workshop”
- “I enjoyed how organized it was.”
- “Feedback info”
- “Environment candor/climate change was interesting but so was Halifax water.”
- “2 days”
- “Our elder”
- “New Information”
- “The people”
- “Networking success stories”
- “Learning something new”
- “Learning how Halifax does their water.”
- “The weather was a nice change”
- “Very informative – always learn something useful.”
- “Very interested to learn more.”
- “Each year has been better.”
- “Smoking room”

What did you enjoy least about the Workshop?

- “Reading info”
- “Hot!”
- “Parking”

"Time of year, prefer late summer"

"Travel"

"Would like to stay in hotel in Dartmouth Crossing next time."

"Not enough tea or coffee time"

"Darrel and Dan's voice"

Water operator things"

"Would be really nice to have an aboriginal EHO be part of this training."

"I had to come to the city"

"Output"

How do you plan on using this training at your Workplace?

"Training Book to use as reference"

"Every day"

"Daily"

"Keeping the community based training manual close at hand – excellent reference!"

"In my work"

"I have more information as well as new questions to ask my EHO"

"It will help with providing informative discussions within my community"

"Try some new ideas I learned"

#### **GENERAL COMMENTS:**

"Can't wait until next year's meeting. "the Atlantic provinces need to have a water conference with all chiefs, operator monitors, EHO, HC. IN value.

"Where's our Aboriginal EHO?" "Please don't leave her out. "

"Happy Birthday James"

"These workshops concentrate mainly on water." Is there anything to come that deal with the "waste water aspect" of our work?"

"Good session"

"Have hotel in Dartmouth Crossing – Hampton Inn"