

Northeastern Fire Education Conference March 27-31 2019

Attended By Marten River Fire Department Members: Fire Chief Paul Elliot
Captain Mary Jane Elliott, Captain Rachel Cantin and Fire Fighter Jackie Devost

In Honor of The Charleston 9: A Study of Change Following Tragedy, Presented by Dr. David Griffin

Students are taken on an emotional ride from the dark days of fighting fire in Charleston, SC, where nine firefighters perished in the line of duty, to today where the organization is now a national model for change. All organizations need to learn the lessons from Charleston to ensure that they do not experience this type of tragic incident. This course utilizes never before seen video footage from the Sofa Super Store Fire of June 18, 2007, as well as the radio traffic that coincides with the event. It was developed, and is presented by the first engineer on the scene of this tragic event.

Update from the Office of the Fire Marshal Presented by Acting Fire Marshal Jon Pegg

The focus on fire fighter learning and development continues with the Ontario Fire College expanding access through online and blended courses. They continue to work with Fire to help fire fighters meet academic standards and certification. Online testing is being developed to speed up certifications. They are working on new regulation for code amendments for standpipes, hazardous extractions and out of service elevators. Their public outreach includes information regarding cannabis fire safely, monthly public education bulletins, fire safety education materials and reorganizing the website.

Updates for the Ontario Association of Fire Chiefs Presented by Fire Chief Cynthia Ross Tustin

O AFC are working with government on:

WSIB and PTSD,

Fire Service Regulations for Community Risk Assessments and Public Reporting need to be met in Fire Departments.

MTO concerns (D licensing issues on testing, no service MTO calls and driver certification)

Training Certification for Fire fighters O AFC are consulting on what a new model should look like.

OACF serves on many Ontario government committees.

Jenny's Heroes Program is being administered by the association.

They are working with the MNR and Enbridge presenting a Natural Gas awareness Course in the province

Beyond Helmets and Hoses Leadership Courses are being offered

Provincial Radio systems have new standards that will be implemented by 2023

New 911 changes are coming by 2020

"Put Me in Coach, I Can CHANGE": Being the Coach Your Crew Needs as the Fire Service Evolves Presented by Chief Vince Mackenzie, Chief in Grand Falls Windsor Fire Department

Leading volunteer and composite fire services thorough change is the difficult task of today's changing environment.

Fires are different burning hotter, faster and more toxic. The jobs that we now do are ever expanding.

(MEDICAL, ALARMS, TECHICAL RESCUE, HAZMAT, ACTIVE VIOLENCE, EMERGENCY MANAGEMENT to name a few)

Equipment and technology is evolving. Our responsibilities including paperwork and accountability are changing and the people we serve and who serve with us are different as well. Like in sports, it requires a good coach behind the desk.

Dealing with issues from local politics to limited resources and **above all safety** require our full attention. Fire service leadership gets increasingly challenging at times. This session assists us to be the coach to prepare and guide our team during the big game.

Personality to Professionalism

Presented by Chief Vince Mackenzie, Chief in Grand Falls Windsor Fire Department

A successful fire department stems from leadership that understands what firefighters really want. Understanding motivations, people skills, and challenges are what make successful organizations work the best. Let's share some insights to what your firefighters really want. Fire fighters really need to be motivated and have good and effective leadership in their live. The 3Ts of motivation TRAINING TECHNOLOGY TRAGEDY and Maslow's Hierarchy of needs were discussed. We are a professional fire service (volunteer or career). The course helped us to understand different personalities especially those that were not like our own and how they influence the fire department's culture.

Practical Decontamination Presented by Fire Chief J. Whiteley

The fire service is undergoing a cultural change where cancer causing contamination exists. 1 out of 3 fire fighters will be diagnosed with cancer. Cancer is the cause of 58% of fire fighter line of duty deaths. Fire fighters are 9% more likely to get cancer and at a 14% higher risk of dying from cancer than the general population. Risk to fire fighters is based on department practices, uncontrolled circumstances, and contamination types, manner of exposure, spread and impact. Section 21 Guidelines Regulation 833 and 27805 define fire service policy. There are 18 different hazardous chemicals identified in household fire smoke. These chemicals can enter the body through inhalation and absorption. With every 5 degree raise in temperature the chemical absorption rate increases 400%.

Contamination avoidance, Proper PPE, Equipment design, and maintaining fire fighter health and wellness are best practices. Methods of avoidance include minimum exposure, setup hazard Zones, first in first home, apparatus positioning, positive pressure venting, delay overhaul, store contaminated PPE outside of cab, Decontaminate face hands and neck on scene with facial wipes or wet cloth and shower within 1 hour.

A decontamination kit should include pail, carwash brush, detergent, wipes or wash cloths and clear garbage bags.

Everyone that has been in the hot zone must clean and decontaminate their turnout gear, SCBA, gloves and helmet, Equipment and hoses and vehicle cab. An Exposure report should be filed.

Impact of Fire Attack Utilizing Interior and Exterior Streams on Firefighter Safety and Occupant Survival Study, Presented by Sean DeCrane, Manager Industry Relations UL LLC

This presentation provided an overview of the research conducted at the Underwriters Laboratories Firefighter Safety Research Institute. During the presentation, we summarized a series of research projects and the applicability towards suppression operations. The session culminated with an overview of a recent project, studying various methods of fire attack operations including the measured impact on potential occupants within the structure. The study of tactical ventilation using a planned systematic and coordinated transitional exterior attack straight stream through a window or door at the ceiling using 30 gal of water) and understanding flow paths (High pressure to low pressure) was tested and shown to greatly reduce the temperature inside the building (improving the conditions for firefighters and trapped occupants. This process is needed because of the increased fire loads we now face with poly fabrics/foams, technology, engineered building materials and open concept living.

The UL's "Close Before you Dose" campaign was shown. The results shown were astonishing.

www.closeyourdoor.org

Marihuana Grow Operations and Clandestine Drug Lab Hazards
Presented by Dale L. Moore, OFMEM

The presentation allowed participants to gain knowledge of the inherent hazards associated with marihuana grow operations and clandestine drug labs. The participants learned what to look for during size up of an incident and how to identify indicators that they may be dealing with a possible marihuana grow operation or an illicit drug lab. The presentation provided the participants with the steps to take if they encounter one of these operations to ensure the safety of their firefighters. The presentation also demonstrated the additional serious hazards to avoid including booby traps and other dangers for First Responders.

Smoke and Carbon Monoxide Alarm Workshop
Instructed by Brian McBain, Senior Regulatory Affairs Representative ULC and Ryan Betts, Manager, Public Safety Education Section, OFMEM

Participants in this interactive workshop will be able to identify best practices and strategies to develop and implement effective smoke and carbon monoxide awareness programs to address identified risks and unique characteristics of their own communities.

This workshop was completed by Fire fighter Jackie Devost

Advanced Rapid Response Extrication
Instructed by Jason Defosse, Code4 Fire & Rescue

This is designed specifically for those departments that are covering large areas and when time is critical....every second counts! In this 4-hour action packed workshop we discussed multi-vehicle accidents, rollover pin jobs, T-Bone & head-on impacts. When the patient is in critical condition, the techniques and plan of attack as to when, where to cut, spread and ram, will make a huge difference.

This Workshop was completed by Fire Chief Paul Elliott

Leadership: Bringing Your Fire Service Leadership to the Next Level: Plotting Your Successful Fire Service Experience
Instructed by Chief Vince McKenzie, Grand Falls Windsor Fire Department

This 4-hour workshop reviews the topics covered in Leadership Training Module of the Beyond Hoses and Helmets (BHH) Program – a peer driven program that prepares new/tenured chief officers who manage volunteers within the fire/rescue/delivery system with information, education, services and representation to enhance their professionalism and capabilities. This session provides a high level look at the BHH program and recommended courses of study to become a better fire service leader.

This workshop was completed by Captain Rachel Cantin

Training Officers Workshop:

President, Assistant Chief Brent Thomas (Orillia), 1st Vice President Deputy Chief Reno Levesque (Port Hope) and Secretary Training Officer Paul Calleja (Huntsville), OAFTO

Part One: Developing Department specific Training Plans that can be NFPA compliant.

This session will equip anyone who is responsible for training to develop a department specific training plan that fits your department's daily and seasonal response needs with the manpower you have available. We will also show how to conduct training evolutions that can be NFPA compliant and includes preparation for NFPA certification. Additional free training resource locations will be provided.

Part Two: Volunteer & Composite Department Training Required Achieving NFPA 1001 Certification

The fire Service in Ontario is being challenged today more than ever before, and some of the biggest issues are being placed upon the training division. Mandatory Certification is no longer being discussed in back rooms or around the coffee table. The province introduced the idea in 2018, and we were literally steps away from having it implemented. What we have been given is a window of opportunity to ensure that our training programs match the requirements to meet the needs of Mandatory Certification if and when the discussion begins again. This presentation gave us some direction on how to make adjustments to the training you are already doing. The ultimate goal is to position your department and have it ready to meet whatever gets put in front of us and to make sure we prepare our people to help serve their respective communities to the best of their abilities.

This workshop was completed by Captain Mary Jane Elliott