



BC FIRE TRAINING OFFICERS
ASSOCIATION

CONFERENCE 2021

MAY 14-20

Virtual Conference

COURSE DESCRIPTIONS

AND

FACILITATOR BIOS

TABLE OF CONTENTS

COURSE#	DESCRIPTION (course Length, facilitator)	PAGE #
EAO/BC	DUE DILIGENCE IN THE FIRE SERVICE (2 Sessions, Dave Haralds)	3
EETG	ELECTRICAL SAFETY TRAINING FOR FIRE FIGHTERS (3 Sessions, Duane March)	3-4
P4R-1	THE 93% (2 Sessions, Nathan Pocock)	4
P4R-2	INTRO TO VES (1 Session, Nathan Pocock)	4
BC/JJ-1	TILT-UP CONSTRUCTION: THE FIRST LOOK (1 Session, James Johnson)	5
BC/JJ-2	A FIRE SERVICE GUIDE TO LIGHTWEIGHT CONSTRUCTION (1 Session, James Johnson)	5
J-MAC	APARTMENT FIRES-FIREFIGHTING OPTIONS AND INFORMATION (2 Sessions, John Macdonald)	5
FD-MOB	FIRE BEHAVIOR FOR THE AGGRESSIVE FIREFIGHTER (2 Sessions, Brandon Moberg)	6
FR/EMA	EMA LICENSING EXPLAINED (3 Sessions, Derek Salisbury)	6-7
AED	(2 Sessions, Laura Shaw, Dr. Jim Christenson & Mary Stoambulic)	7-8
WORKSAFE	BUILDING RESILENCY IN THE WORKPLACE (2 Sessions, Amenda Kumar)	8
OFC	UPDATE FROM OFFICE OF THE FIRE COMMISSIONER (2 Sessions, Jay Brownlee & Steve Wright)	9
RAM	STRESS AWARENESS AND THE FIRE FIGHTER FAMILY (2 Sessions, Jess Ram)	10
FORTISBC	RESPONDING TO NATURAL GAS (2 Sessions, Ray Kroll)	11-12
FORTISLNG	LNG 101 FOR FIRST RESPONDERS (2 Sessions, Ian Turnbull)	11-12
VIERA	MODERN FIRE GROUND CHALLENGES-WHAT'S IN YOUR TOOL BOX? (2 Sessions, Steve Wright)	12-13
ELEVATOR	ELEVATOR RESCUE AND FIREFIGHTERS OPERATION TRAINING (2 Sessions, Glenn Zolnierczyk)	13-14
FLASHPOINT	2-PERSON FIRE SIZE-UP: GETTING THE MOST OUT OF YOUR 360 (2 Sessions, Kyle Doerksen & Ryan Kirkham)	14
DYNAMIC-1	CONFINED SPACE (2 Sessions, John Kenyon)	15-16
DYNAMIC-2	DUAL CAPABLE TWIN TENSIONED ROPE SYSTEM – AWARENESS FOR FIRST RESPONDERS (1 Session, John Dennis)	15-16
JIBC-ESM	ESM TECHNOLOGY TEASER – (2 Sessions, Adam Lossing, Dave Skidmore)	16
JIBC-ETTIT	ENHANCING TRAINING THROUGH INNOVATIVE TECHNOLOGY – (1 Session, Jennifer Jasper)	16
JIBC-FL	FRONTLINE LEADERSHIP (1 Session)	16

EVENING EVENTS

Monday, May 17	EVENING WITH ROD STEWART
Tuesday, May 18	ONLINE DRINK MIXOLOGY & TRIVIA
Wednesday, May 19	ONLINE GOLD MUSIC 70's, 80's and 90's

BIOS AND COURSE DESCRIPTIONS

EOA/BC – Dave Haralds – 2 Sessions

Dates & Times:

Saturday, May 15 @ 0930-1200

Monday, May 17 @ 0930-1200

Bio: Dave Haralds

I have been involved with the Workers' Compensation System in BC for the past 30 years and gained a unique perspective within the system from being employed with WorkSafeBC, the Workers' Advisers Office and currently with the Employers' Adviser Office (EAO), as the Executive Director. My educational studies are in management systems through BCIT and the Justice Institute of BC. The EAO provides advice, assistance, representation, and education sessions to BC employers concerning workers' compensation issues.

I am also a POC Firefighter with the Township of Langley Fire Department since 2008. I am currently a Captain at Hall 8 in Walnut Grove.

Due Diligence in the Fire Service:

Description: This 90 minute webinar will discuss the basic elements of due diligence and how it relates to the fire service. Managers, Supervisors, and workers will gain a better understanding of the legislative and regulatory requirements necessary to demonstrate due diligence in their workplace.

Topics covered in this webinar include:

- Components of Due Diligence,
- Identify some of the legal requirements,
- Address safety responsibilities in the workplace,
- Resources

EETG – Duane March – 3 Sessions

Dates & Times:

Sunday, May 16 @ 0930-1200

Tuesday, May 18 @ 1330-1600

Tuesday, May 18 @ 1700-1930

Instructor Bio: Duane March

Duane March, instructor and subject matter expert for Electrical Energy Training Group, is a retired Red Seal BC Hydro Power Line Technician, with over 20 years of experience in the line field. Among his many certifications and credentials includes a Masters in Education from SFU. Duane has been instructing various BC Hydro Electrical Safety Programs for the past seven (7) years, and as part of his teaching style, uses real-life workplace experiences to connect with the personnel who are receiving training from him.

EETG – Course Description

The Electrical Energy Training Group Ltd. has been providing various Electrical Safety Training Programs for first responders and trades workers in BC, for over eight (8) years. We have a highly knowledgeable team of subject matter experts, each with a minimum of 20 years experience working for BC Hydro Power Authority as either a Red Seal Electrician or Power Line Technician. Recognized as a preferred safety training provider by BC Hydro Power Authority, we take great pride in the

quality of training that we offer to workers around the province, and aim to ensure that *all* workers understand the fundamentals of safety when working near high voltage.

Electrical Safety Training for Fire Fighters – Course Outline

1. Understanding basic electricity
2. B.C. electrical power system
3. Fighting structural fires
4. Dealing with downed power lines
5. The underground distribution system
6. Substations and generating plants
7. Fighting fires at BC Hydro substations
8. Fighting fires near transmission lines, and rights-of-way

P4R – Nathan Pocock – 3 Sessions

Dates & Times:

P4R-1: Tuesday, May 18 @ 1330-1600
Tuesday, May 18 @ 1700-1930

P4R-2: Wednesday, May 19 @ 1700-1930

Bio: Nathan Pocock

Nathan Pocock started his career in the fire service in 2008 with the East Sooke Volunteer Fire Department and has spent the last 10 years as a career firefighter in a large city department in the lower mainland. Since 2015 Nathan has been a member of the department's technical rescue team and a member of Canada Task Force 1 HUSAR team. In 2015 Nathan started Prepare4 Rescue Inc a fire service training company that has been focused on RIT, Forcible entry and other key firefighter skills training across BC.

Session – P4R-1

The 93%:

Through this presentation we hope to begin a conversation by discussing the data collected from various RIT studies and asking how we are preparing ourselves and our departments for mayday situations. Are we training in the areas the studies suggest we need to train? RIT performs the rescue in 7% of maydays. Are we ready for the other 93%?

Session – P4R-2

Intro to VES;

VES can be a word that gets mixed reactions when mentioned in a firehall. In this lecture we hope to introduce VES to departments as not a scary word but explain the when and the where this tactic can be used to complete rapid and thorough searches for victims. The lecture will end with some tips on ladder techniques and victim drag techniques that can help maximize our resources on the fireground when performing these searches as we all know staffing shortages are a constant issue.

BC/JJ – James Johnson – 2 Sessions

Dates & Times:

BC/JJ-1 Wednesday, May 19 @ 1330-1600

BC/JJ-2 Wednesday, May 19 @ 1700-1930

Bio: James Johnson

James Johnson is a current firefighter for a large metropolitan fire department in British Columbia, Canada, and lead instructor for Training Resurrected, a division of the Dynamic Rescue Systems group of companies. Before becoming a career firefighter, James spent a number of years in the construction industry and completed an apprenticeship and the technical training to become a Red Seal Journeyman carpenter. James represents the International Association of Fire Fighters as a building codes and standards consultant, and lectures internationally on the subject of building construction.

BC/JJ-1: Tilt-Up Construction: The First Look

Tilt-up construction is quickly becoming one of the fastest growing building methods in North America for commercial and industrial buildings, or wherever large square footage is required. This construction type has unique hazards and tactical considerations that must be considered when dealing with a structure fire in these structures. This class will look at how to identify these types of buildings, how they are constructed, and highlight the main hazards.

BC/JJ-2: A Fire Service Guide to Lightweight Construction

The built environment that today's firefighters are exposed to is rapidly changing. Innovations in engineering, dwindling natural resources, increased energy efficiency requirements, and the economics of construction are all playing a significant role in this change. There are many challenges that firefighters face as a result of changes towards more lightweight and cost effective materials. This class will look at how these materials are impacting firefighter operations, as well as, unpack several myths and long held fire service misconceptions regarding lightweight and engineered construction.

J-MAC – John Macdonald

Dates & Times:

Wednesday, May 19 @ 1330-1600

Wednesday, May 19 @ 1700-1930

Bio: John Macdonald

Deputy Chief of Operations - Port Coquitlam Fire and Emergency Services

Session: Apartment Fires - Firefighting Options and Information

The program is approximately 2.5 hrs. long in duration. The first part of the presentation involves a discussion around building construction (Type 5 Apartments) and the challenges that officers and firefighters are faced with at large apartment fires. The second part of the presentation will examine video footage from previous apartment fires as well what I refer to as a 3D view for Incident Command and how this can affect incident action planning at the Command Post.

John Macdonald has written 2 articles (2017 and 2020) for Fire Engineering that focus on giving Incident Commanders a greater knowledge of fighting fires in apartment buildings and the challenges and risks firefighters ultimately face. For the FDIC preview in 2018 he also published an article titled; Three to Six Story Apartment Fires: Fire Extending into the Flat Roof and the Command Sequence. All 3 submissions were well received and they are based on research and actual experience gained from large apartment fires. Lessons learned and a desire to share information is at the heart of the presentation.

FD-MOB – Brandon Moberg – 2 Sessions

Dates & Times:

Saturday, May 15 @ 1330-1600

Tuesday, May 18 @ 1330-1600

Bio: Brandon Moberg

I started as a career firefighter in 2006 in North Vancouver. In 2012 I began as an instructor in the field of Fire Behaviour. This discipline would not only build a stronger resolve in understanding fire, but also enhance abilities to be an intellectually aggressive firefighter. Initial training from Fire Chief Ed Hartin (Central Whidbey Island Fire-Rescue) and Ian Bolton (District of North Vancouver Fire Rescue), both considered leaders in the field of Fire Dynamics established strong foundations. The science they presented was not the regurgitated answers to an IFSTA test; it was all about the “why”. The “why” of fire removed the ambiguity and enhanced my decision-making abilities to be an aggressive firefighter. The thirst for knowledge that began back then has continued to develop my resolve for understanding the variables of fire and what we can improve to provide the best possible service. I strive to share what has been shared with me and look forward to every opportunity to talk fire.

Fire Behaviour for the Aggressive Firefighter

This course is intended as a baseline for the principles of Fire Dynamics. It will look into the variables that control a fire's growth and spread, threatening life, property and environment. It will attempt to take some of the repeatability of scientific parameters of fire presented by UL and NIST and apply them to the everyday fire environment. It is the hope that these principles will provide the opportunity for firefighters from Volunteers to Career Officers to begin to place their perceptions into the foundational boxes that shape our experiences on the fire ground.

FR/EMA – Derek Salisbury – 3 Sessions

Dates & Times:

Sunday, May 16 @ 1330-1600

Monday, May 17 @ 1330-1600

Monday, May 17 @ 1700-1930

Bio: Derek Salisbury

Derek is an Acting Captain/Paramedic with a large lower mainland fire department. His career began with the Chemainus Fire Department as a junior firefighter at 16 years old which began his passion for fire-based pre-hospital care.

As the owner of Firemedix, he assists over 100 fire departments with his EMA licensing approved First Responder and EMR program and is the official First Responder trainer for the Vancouver Canucks.

In response to COVID, Derek and Firemedix created his own NFPA 1001 program that includes FF1/FF2/Hazmat Awareness and ops.

EMA Licensing Explained

A firefighter's guide to the new EMA licensing protocol, exams, and changes:

Why did the online First Responder exam change? What do you mean the Narcan protocol changed February 15th, 2021? Why is there not a central place where our Fire Department can have their EMA licensing questions answered? Why can't my department do Blood Pressures and pulse oximetry even though the Red Cross taught me that?

Firemedix is proud to present, an in depth look at the new EMA licensing changes that came into effect February 15th, 2021, the new jurisprudence exam and why the written exam was changed back to the 2015 exam. We will explore the burning questions every Fire Chief, training officer and firefighter have had and explain in firefighter terms the why decisions are made, what having an EMA licensing means and how to help your FR program and firefighters be effective

responders in this new world of Fire based EMS. Firemedix's goal is to bring tactical firefighter based training to finally answer the need of our provincial firefighters!

This will be an interactive program as there are going to be A LOT of questions. So this will be done in pre-questions sent in, and interactive group discussions.

Firemedix is an EMA licensing approved training agency that provides First Responder and EMR training to over 100 fire departments in BC and the Yukon and is the official First Responder trainer for the Vancouver Canucks. We have successfully put over 1000 people through EMA licensing at the EMR level and have switched over 4 departments over to our Firemedix EMR program to train their firefighters to provide EMR services to their communities.

AED – Laura Shaw – 2 Sessions

Dates & Times:

Sunday, May 16 @ 0930-1200

Monday, May 17 @ 0930-1200

Bio: Laura Shaw

Laura is the Quality Management Coordinator for Cardiac Care at Island Health on Vancouver Island.

Laura began her healthcare career with Island Health in 2008. Her roles over the last decade have included business administration, lean design, stakeholder engagement, quality management and project management. Laura currently supports multiple quality improvement and quality assurance initiatives, with a primary focus of patient safety and outcomes, in an effort to support the cardiac services clinical team at Island Health.

Bio: Dr. Jim Christenson

Dr. Christenson was a practicing emergency physician in Vancouver for close to 40 years and a Professor at the University of British Columbia. He is a clinician scientist and leads the BC Resuscitation Research Collaborative (RESURECT) in the Center for Health Evaluation and Outcome Sciences at Providence Health Care Research Institute.

He has been involved in cardiac arrest and prehospital research for over three decades most recently as Co-PI of the Canadian Resuscitation Outcomes Consortium (CanROC) funded by Canadian Institutes for Health Research and Heart and Stroke Foundation of Canada (2015 - 2021). CanROC has developed a national registry of out of hospital cardiac arrest (OHCA), which is maturing to include most provinces. Prior to that, he was the BC Principal Investigator in the international Resuscitation Outcomes Consortium. From 2005 to 2010 Dr. Christenson was the Vice President, Medical Programs for the BC Emergency Health Services and championed quality CPR training for paramedics and first responders. As a result of these efforts to improve resuscitation quality, survival to hospital discharge from OHCA improved from 6.6% to close to 15% in urban centers in BC.

Dr. Christenson is working to transform the community response to OHCA so that British Columbia can have the best survival rates in the world

Bio: Mary Stambulic

Mary is the manager of advocacy and stakeholder relations at the Heart and Stroke Foundation in BC and Yukon.

Mary has been with the foundation since February 2009 and has worked on BC's stroke strategy, which resulted in system improvements along the continuum of care, including tele-learning sessions for medical practitioners and allied health professionals. Mary has also worked on BC's public access to defibrillation program and the foundation's restart a heart advocacy campaign. She has also been responsible for implementing a multi-faceted and integrated FAST signs of stroke public awareness campaign over the last six years. More recently, Mary and team have been busy advocating to the provincial government on other public health policy initiatives including tobacco and vaping control activities and resuscitation measures.

How FIRE made the Impossible POSSIBLE: The AED Project

When an aircraft goes down what do we look for? The little black box!

In the event of an Out-of-Hospital-Cardiac-Arrest (OHCA) the little black box is the Automatic External Defibrillator (AED).

For OHCA patients, AED devices contain valuable data about the patient's initial heart rhythm. The data retrieval process was previously elusive, despite its critical role in the patient journey.

The AED project demonstrates how effective multi-organization collaboration can improve capacity for the healthcare teams to make informed decisions about patient care.

Timely access to AED data can have direct integration into clinical decision-making and can spare patients from the risk of unnecessary procedures, and support improved patient treatments and outcomes.

Through engaging and collaborating with BCEHS and BC Fire services, we were not only able to improve patient care but expand collaboration between multi-organizations and stakeholders.

These organizations, such as the Canadian Resuscitations Outcomes Consortium (CanROC) and the Heart & Stroke Foundation strengthen research, education, and advocacy; promote the full continuum of care journey and positive patient outcomes.

WORKSAFE – Amenda Kumar – 2 Sessions

Dates & Times:

Monday, May 17 @ 1330-1600

Monday, May 17 @ 1700-1930

Bio: Amenda Kumar

Amenda has worked in the field of mental health for over 10 years, working for both government and private organizations. Prior to joining WorkSafeBC in 2014, she worked as a psychiatric social worker and forensic case manager for the Provincial Health Services Authority (PHSA). She has been involved in mental health from providing support to adults with mental health issues, to working with family members who have lost a loved one in a workplace accident. Amenda has worn several hats at WorkSafeBC, including working as a Case Manager in Claims, Investigations Officer in Fatal and Series Injury Investigations, and currently as an OHS Consultant for Mental Health Injury Prevention.

Amenda graduated from UBC with her Master of Social work and outside of WorkSafeBC, also practices as a registered social worker/therapist at a Vancouver clinic specializing in support for adults struggling with anxiety and other mental health issues.

Session: Building Resilience in the Workplace: Leadership strategies to promote mental health in your organization

In this workshop, first responder leaders will learn the key strategies to promote mental health and prevent psychological injury in the workplace. Participants will have the opportunity to hear from industry experts and first responder leaders in the field and better understand the practical tools that can build resilience in the workplace. The aim of this workshop is to provide a framework for promoting positive mental health and strategies for first responder leadership to improve psychological health in the workplace.

OFC – Jay Brownlee/Steve Wright – 2 Sessions

Dates & Times:

Sunday, May 16 @ 0930-1200

Monday, May 17 @ 0930-1200

Bio: Brian Godlonton – Fire Commissioner

Brian joined the Office of the Fire Commissioner (OFC) in March of 2020 as Fire Commissioner after having proudly served 28 years in the British Columbia fire service as a member of both Langley City Fire Rescue Services (LCFRS) and Vancouver Fire & Rescue Services. As Deputy Chief of Operations with LCFRS, Brian's responsibilities included oversight of frontline firefighters, fire prevention, life safety, administration as well as career development for department personnel. Prior to that, Brian served with Vancouver Fire & Rescue Services in the roles of Deputy Fire Chief Operations Support, Assistant Chief Emergency Medical Services/Recruitment, Assistant Chief Occupational Health & Safety and Lieutenant Recruitment & Outreach.

In addition, Brian has served in the roles of EMBC/OFC All Hazard Response Command Staff, Deputy Chief Special Operations (including Vancouver's Canada Task Force 1 Heavy Urban Search and Rescue Team), training instructor and adjunct faculty instructor with the Justice Institute of British Columbia Paramedic Academy and Fire & Safety Division.

Bio: Jay Brownlee Deputy Fire Commissioner

Jay has been with the OFC and EMBC since April 2019 when he took on the role of A/Deputy Fire Commissioner. In June 2019, with the departure of the Fire Commissioner Jay filled the role of A/Fire Commissioner and did so until March 2020 when Brian Godlonton started as the new FC. Jay has been confirmed as the Deputy FC since March 2020.

Prior to coming to EMBC Jay started his emergency services career as a paramedic with the BC Ambulance service, and eventually moved fire fighting where he served 28 years with West Vancouver Fire & Rescue, progressing within the Suppression Division ranks from a fire fighter to Lieutenant and then to Captain. Jay held both Union Executive and Exempt Management roles, serving over 15 years on Local Union and BC Professional Fire Fighter Executive Boards, and serving the last 3 years within West Vancouver Fire in the Exempt Rank of Assistant Chief of Training and Professional Development.

Bio: Steve Wright

Steve Wright has been a student of the fire service for over 30 years. After recently retiring from Port Coquitlam Fire & Emergency Services as the Deputy Fire Chief of Operations he joined the Office of the Fire Commissioner at Emergency Management B.C. as a Fire Services Advisor.

For much of his career Steve has been active in the greater fire service by conducting research and providing training, program coordination, consulting, instructional design, and curriculum development. He has worked with various emergency services organizations and private companies including: Vancouver Island Emergency Response Academy (VIERA), FireWorks Consulting, Champions Fire College, First Nations' Emergency Services Society (FNESS) and the Justice Institute of B.C.

Steve has completed the Justice Institute of B.C. Fire Officer Certificate Program and has a Diploma in Fire Service Leadership and Public Administration. He is a Certified Canadian Fire Investigator (CCFI-C) and holds a Chief Fire Officer (CFO) and an Executive Chief Fire Officer (ECFO) designation from the Canadian Association of Fire Chiefs.

Update From the Office of the Fire Commissioner

This roundtable session will provide an update on key issues from the OFC. Topics discussed will include the B.C. Minimum Training Standard (formerly known as the Playbook) and the Wildfire Structure Protection Program (SPP). The format is designed to allow for questions and interaction from participants.

RAM – Jess Ram – 2 Sessions

Dates & Times:

Monday, May 17 @ 1330-1600

Monday, May 17 @ 1700-1930

Bio: Jess Ram

Jess Ram retired from VPD in 2017 after 33 years of service. He has a wide variety of Operational experience including as a Duty Officer, Critical Incident Commander, Bureau Director for the Criminal Intelligence Service for BC and the Yukon and District Commander.

Jess has a private counselling practice specializing in Trauma and First Responders. Jess is a certified Eye Movement Desensitization and Reprocessing (EMDR) therapist and is working towards his Consultant status in EMDR. He treats mainly first responders for trauma exposure and is also a clinician for several local, provincial, and national agencies along with some private sector firms.

Jess also has a strong academic background. He has a master's degree in counselling psychology from UBC and a bachelor's in commerce from what is now UBC's Sauder School of Business. He is a graduate of the West Point Leadership program in Los Angeles where he has also instructed. He was also a faculty member at the BCIT School of Business, Part Time Studies for approximately twenty-eight years.

His practice also provides management and leadership training to Public and Private sector clients. He also teaches peer counsellors and provides Critical Incident Stress Management support to First Responder Teams in at local, provincial, and national levels.

Session Outline- Stress Awareness and the Firefighter Family

This session is designed for spouses, family, and anyone else that lives with or loves a firefighter. This session is entitled Stress Awareness for Families of Firefighters. The information is designed to be proactive and is focused on assisting those in attendance to develop a better understanding of Critical Incident Stress and Trauma, as well as discuss some treatment options for those who are exposed. It will give the attendees an overview of the following subjects.

- Personality profile of First Responders
- Definitions of stress and trauma
- How to recognize signs of excessive stress
- Firefighter specific concerns
- Critical incident stress
- Trauma signs
- Helpful hints for loved ones and self-care for partners

Given the subject matter, pre-teens are not recommended to attend, as some of the subject matter may not be appropriate for this group. The session will be 2.5 hours with some time for questions. Please check out Jess' website jessramconsulting.com for more information about him and his practice.

FORTIS – 4 Sessions

Dates & Times:

FORTISBC: Saturday, May 15 @ 0930-1200

FORTISBC: Tuesday, May 18 @ 0930-1200

FORTIS LNG: Sunday, May 16 @ 0930-1200

FORTIS LNG: Tuesday, May 18 @ 1700-1930

Bio: Ray Kroll

Manager Safety Compliance & Education for Low Carbon Transportation & LNG at FortisBC.

Ray started his career as a part time firefighter and pumper truck operator in Alberta in late 1980's. He then joined Shell Canada in Alberta with a focus on sour gas production and operations, including looking after wells, compressor stations and pipelines. Ray has spent roughly 30 years of his career with Shell Canada in various roles across Western Canada, including health and safety, emergency management and LNG. In collaboration with the industry, Ray developed the LNG "Burn & Learn" sessions, which help to raise awareness about LNG and LNG emergencies among regulators, the industry, as well as first responders.

In 2018, Ray retired from Shell and moved to FortisBC to provide support for LNG. Ray is passionate about the future of LNG and the role it will play globally in shaping the world and our future. Ray has been working closely with the Fire Training Academy in BC (JIBC) and is an instructor for the LNG Marine Firefighting Program, which is unique to Western Canada.

Ray represents the LNG industry in the development of codes and standards for LNG in North America and serves as the Chair of the Canadian Standards Association (CSA) committee for LNG, Z276.

Session Title - Responding to Natural Gas

Responding to Natural Gas Emergencies is a course FortisBC created in partnership with the [Canadian Gas Association](#) and Canadian Association of Fire Chiefs. The goal of this course is to raise further awareness regarding natural gas safety among first responders. This course is available to all fire training officers and meets the requirements outlined in the *British Columbia Fire Service Minimum Training Standards – Structure Firefighters Competency and Training Playbook*. The course includes a discussion of the properties and behaviour of natural gas and how it is distributed, as well as interactive sessions using video scenarios of emergency response situations and procedures.

The learners will be able to:

- 1) Operate the new online training platform
- 2) Determine the applicability for their department
- 3) Be able to discuss issues related to field interactions with FortisBC

Bio: Ian Turnbull

Ian is currently the Damage Prevention and Emergency Services manager for FortisBC and is responsible for the company's programs to reduce third party damage and maintain system integrity.

In his time with FortisBC and predecessor companies, Ian has also served as the Emergency Planning and Training Manager. Ian is a member of the BC Common Ground Alliance, BC Common Ground Alliance Damage Data Reports and Evaluation Committee and BC One Call. He was also a member of the CSA standard Z 247 – Damage Prevention Standard for Energy and Utility Networks. Recently Ian was awarded a Career Achievement in Promoting Industry Safety by the Canadian Gas Association.

LNG 101 for First Responders

LNG has become a more popular fuel source with our transportation industry. As a result, it is important that information relating to hazard identification, incident mitigation and incident response be understood by first responders who may be required to attend incidents involving LNG.

Although many fire departments are familiar with fuels such as gasoline and diesel, natural gas, and in particular LNG, is not always well understood.

Learning Outcomes

At the end of each session, participants will be able to:

1. Describe the properties of LNG and how it compares to pipeline quality natural gas
2. Identify potential consequences that can occur along with mitigation strategies
3. Demonstrate the effects of dry chemical fire extinguishers on LNG and natural gas fires
4. Develop sound strategies for dealing with LNG related incidents
5. Understand the pros and cons of using water on an LNG release

Target Audience

Fire fighters along FortisBC's LNG transportation corridors will benefit most from this session.

VIERA – 2 Sessions

Dates & Times:

Saturday, May 15 @ 1330-1600

Sunday, May 16 @ 1330-1600

Instructor Bio: Steve Wright

Steve Wright has been a student of the fire service for over 30 years. After recently retiring from Port Coquitlam Fire & Emergency Services as the Deputy Fire Chief of Operations he joined the Office of the Fire Commissioner at Emergency Management B.C. as a Fire Services Advisor.

For much of his career Steve has been active in the greater fire service by conducting research and providing training, program coordination, consulting, instructional design, and curriculum development. He has worked with various emergency services organizations and private companies including: Vancouver Island Emergency Response Academy (VIERA), FireWorks Consulting, Champions Fire College, First Nations' Emergency Services Society (FNESS) and the Justice Institute of B.C.

Steve has completed the Justice Institute of B.C. Fire Officer Certificate Program and has a Diploma in Fire Service Leadership and Public Administration. He is a Certified Canadian Fire Investigator (CCFI-C) and holds a Chief Fire Officer (CFO) and an Executive Chief Fire Officer (ECFO) designation from the Canadian Association of Fire Chiefs.

Instructor Bio: Scott Philp

Scott has been involved in the fire service for 40+years. Starting in 1980, Scott worked with Delta Fire & Rescue Services, retiring in 2013 at the rank of Captain/ Acting Battalion Chief.

Scott was also an Acting Training Officer in Delta Fire/Rescue Training Division and was the Lead Instructor for the Development of Delta Fire Department Hazardous Materials program.

Since 2005, Scott has been an instructor for various companies including the Justice Institute of British Columbia, Vancouver Island Emergency Response Academy (VIERA), Transport Canada, Ronin Rescue and Private Contracting and Consulting, across Canada.

Scott was a Subject Matter Expert for many Provincial/federal exercises including the 2010 Olympics.

Scott has been involved for many years as an Instructor/Curriculum Developer for the Fire Officer -Emergency Scene Management and Incident Safety Officer Programs, delivering courses to many various Fire Departments throughout Canada.

Other areas of instruction include: NFPA 1072 Hazmat Technician/Operations instructor, Presenter at the 2019 BCFTOA, Course Conductor for CBRNE Basic Level, First Responder Instructor, Alternate Fuel Vehicles “Train the Trainer” Instructor and BC Ferries LNG Practical Training Instructor/Safety Officer.

Modern Fire Ground Challenges

What’s in your toolbox?

Today’s fire environment presents many challenges. It is a combination of engineered lightweight buildings, synthetic fuel packages, higher heat release rates, and products of combustion that are more toxic than they have ever been.

These factors all contribute to a fire ground that is far more dangerous to both firefighters and civilians. Today’s fire officer needs to consider the appropriate strategic goals and tactical objectives for: occupant survivability, incident stabilization and fire control. Action planning acronyms such as RECEOVS+RIT and SLICERS will be analyzed.

Topics explored in this presentation include: fire dynamics, flow path management, smoke reading, ventilation, toxicity and firefighter occupational exposure.

ELEVATOR – Glenn Zolnierczyk – 2 Sessions

Dates & Times:

Sunday, May 16 @ 1330-1600

Wednesday, May 19 @ 0930-1200

Bio: Glenn Zolnierczyk

Glenn Zolnierczyk CEI, PMP® is the President & CEO of ESI Elevator Solutions Inc. and ESI Elevator Rescue. He has over 35 years of industry experience and is currently a member of the North American Elevator Safety Authority (NAESAI) as a Certified Elevator Inspector. Glenn is also a Project Management Professional with the Project Management Institute and an active code committee member of the ASME A17.4 Guide for Emergency Personnel.

ESI Elevator Solutions Inc., is an independent elevator consulting company that provides professional services and first responder training to a variety of industries and trade organizations throughout Western Canada.

ESI Elevator Rescue’s mission is to give first responders the knowledge and skills they need to safely rescue people who are involved in elevator emergencies. We accomplish this goal through customized, hands-on training sessions in the classroom and on-site.

Glenn is also a current member of the BC Fire Training Officers Association (BCFTO), Alberta Fire Training Officers Association (AFTOA) and the Canadian Elevator Contractors Association (CECA)

Over the past few years, Glenn has conducted more than 100 sessions across Western Canada and trained over 1500 first responders in elevator rescue and firefighter operation. Glenn loves training elevator rescue and is excited to bring his experience to all members of the Firefighting industry.

COURSE SEMINAR DESCRIPTION

ELEVATOR RESCUE AND FIREFIGHTERS OPERATION TRAINING

The elevator rescue course material presented in these seminars will be based on the ASME A17.4-2015 – Guide for Emergency Personnel, which has been endorsed by Technical Safety BC (TSBC)

A summary agenda is provided below.

- Emergency Evacuation - Background
- Elevator Basics
- Rescue Procedure Steps

Each seminar will cover areas on.

- How to recognize hazards and mitigate those risks when operating around elevator equipment.
- Procedural steps for the safe removal of people that are trapped in elevators as outlined in ASME A17.4-2015
- Elevator Basics, Types of Elevators and Terminology

FLASHPOINT – Kyle Doerksen – 2 Sessions

Dates & Times:

Wednesday, May 19 @ 1330-1600

Wednesday, May 19 @ 1700-1930

Bio: Captain Kyle Doerksen

At previous conferences, I've discussed fire behaviour, reading smoke, size-ups, roof operations and LODDs. This year's presentation, "2-Person Fire Size-Up: Getting the Most Out of Your 360", will be focused on the tactics, tips and tricks Ryan and I use to perform a 360 for maximum effectiveness. Good size-ups help set you and your incident up for success; let's discuss how to improve our chances of doing just that. Very pleased to be co-presenting with my Nozzle / Driver, Ryan Kirkham. We both proudly serve with Coquitlam Fire/Rescue on Engine 1 in the Town Centre Area where our response area has a diverse mix of residential, multi-residential, high-rise, educational and commercial occupancies. Coquitlam Fire/Rescue serves 140,000+ citizens with 160 full-time firefighters and 4 fire stations.

Bio: Firefighter Ryan Kirkham

I am a 12-year nozzle firefighter proudly serving with the City of Coquitlam. I am passionate about the basics of firefighting and have a strong belief that always striving for daily improvement will help us all be more affective on the fireground.

Captain Kyle Doerksen and myself are excited to share how we perform a 2-person size-up and 360 upon arrival to a structure fire. We will highlight some of the advantages of this type of size up along with some of the other tactics we use in the process. It is our goal that you take away something you may someday utilize to your benefit. As well, we hope to generate discussion that we can all learn from. Enjoy!

Course Title: 2-Person Fire Size-Up: Getting the Most Out of Your 360

Who should check out this presentation? If you're ever going to perform a 360, you should. If you're a young officer, you might learn something. If you were a seasoned officer, we'd love to hear feedback from you. Volunteer or otherwise, makes no difference. If you have found TIC cameras to be more hindrance than help on your 360 (or anytime for that matter), then this presentation can help you. If you never open doors during your 360, join us. If you've never performed a 2-person 360, we will discuss why we think it's a good idea. If you are looking for ideas on how to improve your size-up training and preparation, we're going to discuss that too. See you on May 19th for "2-Person Fire Size-Up: Getting the Most Out of Your 360."

DYNAMIC – 3 Sessions

Dates & Times:

DYNAMIC-1: Saturday, May 14 @ 1330-1600

DYNAMIC-1: Tuesday, May 18 @ 0930-1200

DYNAMIC-2: Wednesday, May 19 @ 0930-1200

Bio: John Dennis

John Dennis is one of three managing partners for Dynamic Rescue Systems and serves on its board of directors. John is Dynamic Rescues Chief of Operations and is responsible for all the company's training and standby operations; He also oversees Dynamics consulting division and plays a key role in the continued development of strategic relationships with BC's Fire Service.

Prior to Dynamic Rescue, John was the Assistant Chief of Operations for Vancouver Fire & Rescue Services and was responsible for the management of day-to-day operations. John also served as Acting Task Force Leader/Operations Chief for Canada Task Force #1. Through 33 years on the fire floor he was instrumental in the development of many of Vancouver's Technical Rescue programs. John currently sits on NFPA 1006, 1670 (soon to be NFPA 2500), and NFPA 350 (pending).

DYNAMIC-1: Confined Space Rescue - Awareness for First Responders

As per NFPA 1006/1670 and WSBC

This 2-hour course is designed for any firefighter or first responder who may be called to a confined space incident within their area of response and is aimed at those with little or no previous experience in these types of situations.

The Confined Space Rescue discipline requires specialized equipment and training that many fire departments don't have access to but, there is still a significant possibility that they would be called on to respond to a confined space incident, ready or not.

Rescue in confined spaces can be an extremely dangerous procedure; 60% of the fatalities are the would-be rescuers who may not have recognized the danger presented when they attempted to lend aid.

WSBC requires workers to follow strict guidelines and regulations while performing work in confined spaces and to have a valid rescue plan in place before this work is started. This session will cover these requirements and the basics of what to do when they are not in place and workers get into trouble.

This informational session will help to prepare the responder to keep themselves and the scene safe, avoiding dangerous situations, and introduces the concepts and strategies of non-entry rescue.

DYNAMIC-2: Dual Capable Twin Tensioned Rope System - Awareness for First Responders

This 2-hour workshop is designed for any firefighter or first responder who may be called to utilize rope-based systems within their area of response and is aimed at those expanding beyond traditional rope rescue systems.

The Rope Rescue discipline requires specialized equipment and training that many fire departments may or may not have access to, but there is still a significant possibility that they would be called on to respond to a rope rescue incident, ready or not.

We will compare DC TTRS to techniques used in the more traditional Dedicated Main, Dedicated Safety system. We will compare the tools required and the different methods they are employed. Scenarios will be examined in context to factors

from common hazards such as rock fall, or sharp edges. System elements involving the Human, Environmental, Material or Method will be discussed.

This informational session will help to prepare the responder to keep themselves and the scene safe, avoiding dangerous situations, and introduces new concepts and strategies utilizing the Dual Capable Twin Tensioned Rope System.

JIBC – 4 Sessions

Dates & Times:

JIBC-ESM: Saturday, May 15 @ 0930-1200

JIBC-ESM: Wednesday, May 19 @ 1330-1600

JIBC-ETTIT: Tuesday, May 18 @ 0930-1200

JIBC-FL: Wednesday, May 19 @ 0930-1200

Saturday May 15 (AM) and Wednesday May 19 (PM)

ESM Technology Teaser – Adam Lossing, Dave Skidmore

Experience incident command in an immersive simulation created by the Justice Institute of BC as part of their redesigned Emergency Scene Management I (ESM I) course. We are offering an enhanced version of one of our simulations that includes sensory inputs commonly experienced at a live incident. There will be a brief introduction before the individual experience followed by a debriefing on your decisions.

Tuesday, May 18

Enhancing Training Through Innovative Technology – JIBC Centre for Teaching, Learning and Innovation, Jennifer Jasper

Technology has become integral to our ability to continue to train and learn during the global pandemic. Once restrictions lift, it is important that we retain the best of this training revolution. In this session, we will explore how to integrate technology into education in exciting and innovative ways to make training more accessible for everyone and to build better learning experiences that result in more effective training.

Wednesday, May 19

Frontline Leadership - Cultivating Your Leadership in Turbulent Times

Explore practical techniques to help you respond to day-to-day challenges with more coherence. By using an innovative and science-based approach to improve your emotional wellbeing, you will gain an understanding of how your state of mind impacts your leadership. You will leave this session with practical strategies for increasing your resilience and your ability to thrive as a high performing leader.