



20th Annual

Northwestern Area Training Academy

NATA

EDUCATIONAL CONFERENCE



November 4 & 5, 2017

Sponsored by:
**Northwestern Area
Training Academy**
in cooperation with



**IOWA CENTRAL
COMMUNITY COLLEGE**

Schedule

Saturday, November 4, 2017

7:30 - 8:30 am
Registration, Exhibits & Continental
Breakfast (*Career Education Building*)

8:30 - 8:50 am
Welcome & Opening Remarks

9:00 am - 12:00 Noon
Classes in session and Exhibits open

12:00 Noon - 1:00 pm
Lunch (*provided*) & Exhibits
(*Career Education Building*)

1:00 - 4:00 pm
Classes in session and Exhibits
(*open until 5:00 pm*)

Sunday, November 5, 2017

7:30 - 8:30 am
Registration, Exhibits & Continental
Breakfast (*Career Education Building*)

9:00 am - 12:00 Noon
Classes in session & Exhibits open

12:00 Noon - 1:00 pm
Lunch (*provided*) & Exhibits
(*Career Education Building*)

1:00 - 4:00 pm
Classes in session

Exhibits:

Exhibits will be located in the
Career Building of the Iowa Central
Community College.

Saturday 7:30 am - 5:00 pm

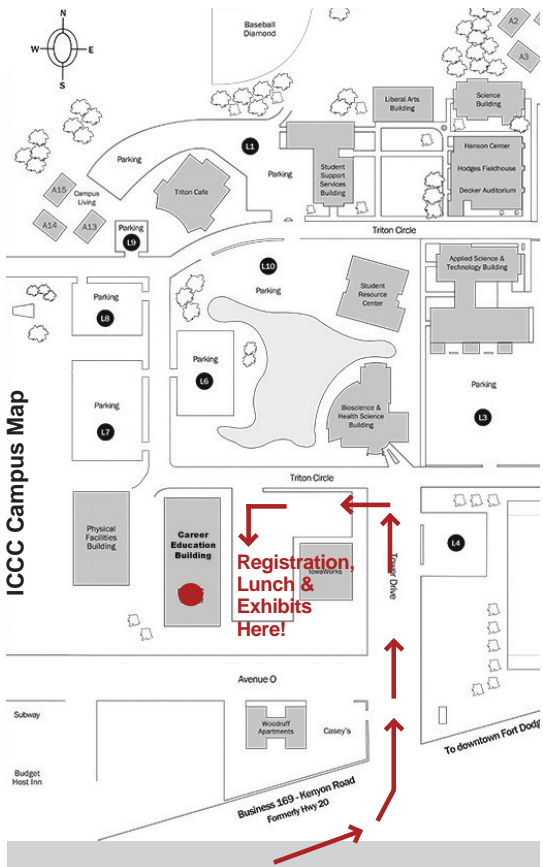
Sunday 7:30 am - 1:00 pm

*A special thanks to all the vendors who
supplied equipment, and to Region
V Hazardous Materials Response
Commission for all of their support. We
would also like to thank the Fire Service
Training Bureau for all their support. and
use of equipment.*

General Information

Location:

The conference will be held at Iowa Central Community
College (ICCC), One Triton Circle, Fort Dodge, Iowa 50501.
Registration, Lunch and Exhibits will all be Located in the
Career Education Building.



Lodging:

Lodging information can be found at the Fort Dodge
Convention and Visitors website:

www.fortdodgecvb.com/hotels_motels

Meals:

Continental breakfast will be provided for all participants
each morning in the Career Education Building. Lunch
will also be provided for all participants.

CEHs:

Approval for continuing education for EMS personnel by
the Iowa Bureau of EMS is provided through Iowa Central
Community College.

Fire



EMS



Fire/EMS



T-Shirts:

NATA T-shirts are included in your registration fee. Please
be sure to select your size on the registration form.

Personal Protective Equipment:

If personal protective equipment requirements apply, it is indicated in the class description. Students must provide the following equipment in order to participate:

- Helmet (NFPA compliant)
- Protective hood
- Coat with liner (NFPA compliant)
- Pants with liner (NFPA compliant) *(Note: 3/4 length boots are not approved in place of pants.)*
- Firefighting boots
- Gloves (Cal/OSHA or NFPA compliant)
- Self-Contained Breathing Apparatus (SCBA) with spare cylinder *(Note: Cylinders under current hypostatic test will be refilled at no cost.)*

Beards (facial hair):

Persons with beards, sideburns, or other hairstyles that interfere with the proper seal of a breathing apparatus face piece will not be allowed to participate in hands-on portions of classes requiring the use of SCBA or involving live fire. Persons with beards may attend the classroom portion and participate in other portions of the class which do not require SCBA or do not involve live fire. No exceptions will be made to these requirements.

Age Requirement Policy:

All students must be 18 years of age or older.

Disclaimer:

Northwestern Area Training Academy, Iowa Central Community College and its co-sponsors, except as provided under Chapter 25-A of the Code of Iowa relating to tort claims, shall not be held liable for damages or injuries to students or persons participating in the school. Participants are advised to purchase individual insurance if their employer does not provide coverage for injuries.

Code of Conduct:

Your conduct while attending out of town educational programs or other fire service events should be no different than it would be at home in front of your families. Wherever you travel, the FD license plate, the blue light, the window decal, the Maltese cross on your jacket or t-shirt identifies you as a member of an honorable and proud profession. Your actions reflect not only upon you as an individual, but upon your fire department and the fire service as a whole. The public expects our actions to be above reproach on and off the emergency scene.

3-Hour Classes

Saturday AM ZHE-100-FD07
Sunday AM ZHE-100-FD08



EXCITED DELIRIUM OPIATES and NARCAN

Scott Richards, Paramedic, Brian Dotts, RN; UnityPoint Health Life Flight Des Moines

An explanation of Excited Delirium as well as case studies showing some of the challenges, treatment options, and cautions of encountering a exhibiting Excited Delirium. The abuse of Opiates is a serious problem in the US and worldwide. This session will look at what drugs are considered Opiates and as EMS personnel how to treat these patients. With the advent of OTC Narcan what to expect and know about Narcan and how it works.

Class Limit: 30
CEHs: EMS (Formal)

Equipment/Gear Required: Personal protective clothing and eye protection is required for the hands-on portion of this class.

Saturday PM ZHE-100-FD09
Sunday PM ZHE-100-FD10



TRAUMA IN AGRICULTURE CEREBROVASCULAR ILLNESS and INJURY

Scott Richards, Paramedic, Brian Dotts, RN; UnityPoint Health Life Flight Des Moines

Agriculture ranks among the most hazardous industries. Farmers are at very high risk for fatal and non-fatal injuries. This session will take a look at some of the unique challenges involved in Ag related trauma. We will also look at hemorrhagic and embolic stroke, TIA's, seizures, and other neurologic emergencies, their treatment and time sensitive nature.

Class Limit: 30
CEHs: EMS (Formal)

Equipment/Gear Required: None

3-Hour Classes

Saturday AM ZHE-100-FD11
Saturday PM ZHE-100-FD12



STOP THE BLEEDING

Terry Evans, Paramedic UnityPoint Health Fort Dodge; Brian Dotts, UnityPoint LifeFlight Des Moines

The course will review the immediate response and appropriate ways to stop bleeding. To be able to recognize the signs of life threatening bleeding and realize that help given by an immediate responders can often make the difference between life and death. This course will also review the EMS role at sporting events, responsibilities of Athletic trainers and the relationship between EMS and Athletic trainers. Discussion on concussion recognition and other sports related injuries.

Class Limit: 30

CEHs: EMS (Formal)

Equipment/Gear Required: None



Saturday AM ZHE-100-FD13
Saturday PM ZHE-100-FD14
Sunday AM ZHE-100-FD15



TILL DEATH DO US PART and CARDIAC ARREST IN OB PATIENT

Maile Chinery, Paramedic, Mercy College of Health Sciences Des Moines

This class will look at pre-hospital death and what we can determine about the death scene, discuss how and when to notify family members of the death of their loved one as well as what we can and should say to them during any future contact. We will also examine common causes of maternal demise during pregnancy. Attendees will identify and discuss how to assess and treat those causes. The instructor will introduce the technique of fetal displacement during cardiopulmonary resuscitation efforts. The class will also analyze how to select a destination that can best treat the patient.

Class Limit: 30

CEHs: EMS (Formal)

Equipment/Gear Required: None

Saturday PM ZHE-100-FD17
Sunday AM ZHE-100-FD18



YOU FOUGHT THE LAW and THE LAW WON!

Jody Brincks Paramedic, CCP Boone County Hospital; Sergeant Dallas Wingate Boone County Sheriff; Captain Chip Zehner, AEMT, Boone Fire Dept.; Bandit, K9 Boone County Sheriff

This Course will review medical treatment after Law enforcement has used one of their techniques for someone who has resisted arrest, including Tasers, OC spray, Dog Bites and Gunshot wounds. Topics covered will be Taser barb removal and cardiac monitoring. Also decontamination of eyes, face, airway monitoring after the uses of an OC spray, treatment for puncture wounds, gunshot wounds including airway control and tourniquet use. Volunteers will be needed for hands on demonstrations.

Class Limit: 30

CEHs: EMS (Formal)

Equipment/Gear Required: None

Saturday AM ZHE-100-FD19
Saturday PM ZHE-100-FD20



INTEGRATION, ARE YOU READY?

*Cory Macumber, Firefighter Urbandale Fire Dept.;
Tom Hartshorn, Firefighter Iowa City Fire Dept.*

This class discusses the hot topic of Fire/EMS's role during an active threat (shooter) incident to stop the dying. How safe is safe enough? Fire/EMS can no longer allow victims of these horrific incidents to die while we wait for the magic term "scene safe" before we enter and begin treatment. Fire/EMS must integrate with law enforcement and law enforcement must integrate with Fire/EMS, which means we Must TALK and TRAIN with each other to accomplish the mission to stop the killing and stop the dying. We will discuss the importance of establishing ICS, developing zones of operation, integrating with law enforcement to establish a rescue task force and/or casualty collection point and treatment of these patients in a higher threat area based on the E-TECC guidelines.

Class Limit: 30

CEHs: EMS (Optional)

Equipment/Gear Required: None

Saturday AM ZPS-203-FD04
Saturday PM ZPS-203-FD05



FIREFIGHTER CANCER: AWARENESS and PREVENTION

*Rich Rodewald, Drill Master, Council Bluffs Fire Dept.;
Fire Service Training Bureau Staff Instructors*

There are a lot of things in the fire service that kill firefighter...heart attacks, motor vehicle accidents, and running out of air are all causes that we talk about often and work hard to prevent. But recent research has shown that cancer is the most dangerous and unrecognized threat to the health and safety of our nation's firefighters. Multiple studies indicate that the high cancer rates among firefighters that we are now seeing may be just the "tip of the iceberg". This workshop will present summaries of multiple cancer studies to help firefighters understand the horrible magnitude of this problem. In addition participants will discuss methods to prevent cancer among firefighters that are low cost and easy to implement.

Class Limit: 30

CEHs: None

Equipment/Gear Required: None

3-Hour Classes

Saturday AM ZPS-203-FD06
Saturday PM ZPS-203-FD07



MOTIVATION IN TRAINING... GETTING IT BACK TO YOUR DEPARTMENT

*Scott Peterson, FF/EMT Training
Officer, Fulton, MO Fire Dept.
Montgomery Fire Protection District*

This class was developed and designed to assist fire departments both large and small to help overcome the lack of motivation in their training. So many times regardless if we are a paid firefighter or a volunteer firefighter we find any "excuse" not attend training. This class identifies why we do not train, and how we can look at some options to get motivated to attend training, be productive at training, and help our fellow brothers and sisters to become motivated to train. This program also looks at the reason why we need to train and the results if we don't. This is an interactive class getting to know the students and the issues in their own departments. We will use class participation, video, and even use our emotions as a motivator.

Class Limit: 30

CEHs: None

Equipment/Gear Required: None

3-Hour Classes

Saturday AM ZPS-203-FD08



BASEMENT FIRES

*Professional Rescue Innovations
(PRI) Staff*

This course will provide specific strategic and tactical training in responding to basement fires. Basement fires are becoming increasingly dangerous to firefighters, the complex nature of basement fires dictates the need for advanced training. This is a classroom presentation and discussion which will give firefighters the needed tools and experience to survive a basement fire. By examining case studies, building construction, strategy and tactics the students will develop an effective and safe game plan for operating at a basement fire.

Class Limit: 30

CEHs: None

Equipment/Gear Required: None

Sunday AM ZPS-203-FD09

Sunday PM ZPS-203-FD10



HUMAN TRAFFICKING

Iowa State Patrol Post 7, Fort Dodge

Young children are being transported across this state every day. Firefighters, EMS personnel and police officers are having contact with these children, yet are missing key signs. These children are being taken, and forced into a life of sex and slavery, never returning home. This workshop will introduce the concepts of human trafficking of young, underage children. Discussions will include: what to look for and what to do.

Class Limit: 30

CEHs: EMS (Optional)

Equipment/Gear Required: None

Saturday PM ZPS-203-FD13

Sunday PM ZPS-203-FD14



PRINCIPLES of MODERN FIRE ATTACK SLICE-RS

Lenny Sanders, Fort Dodge Fire Dept.

A close look at the UL/NIST Modern Fire Behavior/Dynamics studies. This class will provide data-driven tactics to create a safer environment for the fire service as well as the people we protect. Students will leave well-equipped to re-evaluate the long-standing procedures of the fire service.

Class Limit: 30

CEHs: None

Equipment/Gear Required: None

Sunday AM ZPS-203-FD15

Sunday PM ZPS-203-FD16



DRONES IN THE FIRE SERVICE

Professional Rescue Innovations (PRI) Staff

There are increasing examples of ways in which drones could be used by the fire service. Drones offer a great opportunity to assess information from significant incidents and larger-scale events that can provide additional situational awareness to the incident commander. This course will include incident command, fire ground and technical rescues.

Class Limit: 30

CEHs: None

Equipment/Gear Required: None

6-Hour Classes

Sunday AM ZPS-203-FD17



THE ART of READING BUILDINGS

Professional Rescue Innovations (PRI) Staff

Wouldn't it be great, when you arrive on the scene of a structure fire, to be able to know how much fire you have, the layout of the building, and where to draw your line-in the sand to contain the fire? This class is designed to provide detailed training and exercise to improve the effectiveness of first-arriving officers and firefighters. The class will also provide you with an excellent opportunity to enhance your decision-making skills.

Class Limit: 30

CEHs: None

Equipment/Gear Required: None

Sunday PM ZPS-203-FD18



THE ART of READING SMOKE

Professional Rescue Innovations (PRI) Staff

This course is designed to teach students how to predict the path of the fire based on the observed smoke conditions. The smoke conditions demonstrated include color, velocity, pressure, volume and how each of these relates to specific fire conditions. With the basics established, the class then uses a case study method to review multi-media videos and pictures to present sights and sounds from actual fires. The students will be able to apply lessons learned in class and confidently predict the movement of the fire based on what the smoke is showing. Segments of the class will highlight the evolving scene dynamics of the fireground and the need for the continual size-up process.

Class Limit: 30

CEHs: None

Equipment/Gear Required: None

Saturday ZPS-203-FD01 ***



BIG RIG RESCUE

*Fire Service Training Bureau Staff
and Professional Rescue Innovations
(PRI) Staff*

This course is designed for emergency response personnel who have technician-level training as well as prior experience in vehicle extrication. Course offers hands-on scenarios that rescuers might face in their work: fully loaded tractor-trailers, cement mixers, tank trucks, and dump trucks involved in vehicle overturns, over-rides, and under-rides. This course provides emergency responders with extensive hands-on and classroom training in the use of tow trucks, rescue struts, cribbing, and airbags systems to lift and stabilize heavy vehicles during realistic vehicle extrication scenarios.

Class Limit: 20

CEHs: None

Equipment/Gear Required: Personal protective clothing and eye protection is required for the hands-on portion of this class.

*** Individuals from Iowa volunteer and combination departments registered in these courses will receive a \$15.00 reduction per day in their fire school registration, due to partial grant funding from the Volunteer Firefighters Training Fund.



One-Day Classes



Saturday ZPS-203-FD11
Sunday ZPS-203-FD12



RURAL WATER & PUMP OPERATIONS

Scott Thompson and Scott Burnett, Fire Training Consultants

This class will go over rural water supplies for areas lacking hydrants. Where to find good water supplies, different ways of drafting and filling tankers. We will show how to move water from porta-tank to porta-tank and some pump operations. This will be classroom and hands on training.

Class Limit: 30
CEHs: None

Equipment/Gear Required: Full protective clothing

Saturday ZHE-100-FD16



P.E.A.R.S: PEDIATRIC EMERGENCY ASSESSMENT, RECOGNITION AND STABILIZATION

Reylon Meeks, RN, MS, MSN, EMT, Clinical Nurse Specialist for Blank Children's Hospital

In an emergency every second counts. The new PEARS course is designed to prepare EMTs and First Responders who infrequently see critically ill children to identify a pediatric victim at risk of severe cardiopulmonary distress. To intervene early to stabilize the child and contact the next level of care as soon as possible.

Class Limit: 24
CEHs: EMS (Formal)

Equipment/Gear Required: None

PEARS®

Pediatric Emergency Assessment,
Recognition, and Stabilization



American
Heart
Association

American Academy
of Pediatrics



Saturday ZPS-203-FD19
Sunday ZPS-203-FD20



ADVANCE VENTILATION "MAKE IT A PRIORITY"

Professional Rescue Innovations (PRI) Staff

This course will discuss ventilation techniques used in the fire service. Positive Pressure Attack (PPA) takes Positive Pressure Ventilation a step further to achieve effective ventilation during fire attack. It is another tactic that, properly used, can make life better for firefighters and those we are sworn to protect. As with any fire ground operations, PPA requires training and education to be performed safely and effectively. Hands-on evolutions will include the use of a NEW ROOF VENTILATION Prop.

Class Limit: 30
CEHs: None

Equipment/Gear Required: Full protective clothing, S.C.B.A. and spare cylinder.

Two-Day Classes

Sat & Sun ZPS-203-FD02 ***



VEHICLE RESCUE EXTRICATION

Fire Service Training Bureau Staff

This 2-day course will use a combination of lecture and hands-on applications to provide students with the knowledge and practical skills to safely treat and extricate patients from multiple vehicle accidents. Students will demonstrate decision-making process and scene management on various staged scenarios.

Class Limit: 20

CEHs: EMS (*Optional*)

Equipment/Gear Required: Personal protective clothing and eye protection is required for the hands-on portion of this class.

*** Individuals from Iowa volunteer and combination departments registered in these courses will receive a \$15.00 reduction per day in their fire school registration, due to partial grant funding from the Volunteer Firefighters Training Fund.

Sat & Sun ZPS-203-FD03



ESSENTIALS OF FIRE FIGHTING

*Mitch Nordmeyer, EMA Butler County;
Fort Dodge Fire Dept. Instructors*

Introduces basic skills for fire fighters safety. This course will give students the skills necessary in fire behavior, safety, basic S.C.B.A., ropes, ladders, forcible entry, and fire hose rolls and carries on the fire scene. Students will also be introduced to smoke enhanced rooms for search and rescue, incipient controlled fire burns with low smoke environment for better understanding of fire attack; direct, indirect, combination and transitional techniques. The burns will all be instructor controlled for better student education.

Class Limit: 25

CEHs: None

Equipment/Gear Required: Full protective clothing, S.C.B.A. and spare cylinder.



Iowa Central Community College
One Triton Circle
Fort Dodge, Iowa 50501

20th Annual

Northwestern Area Training Academy

NATA
EDUCATIONAL CONFERENCE



November 4 & 5, 2017

Registration

REGISTRATION DEADLINE:
November 1, 2017

Registration Fees:

- One Day = \$50.00
- Two Day = \$100.00

NOTE: Fee includes Lunch and T-Shirt

T-Shirts:

In order to fulfill your t-shirt request, you must be registered two weeks prior to the conference. Any requests received after October 30, 2017 will filled by availability of sizes.

Volunteer Firefighter Training Fund Credit:

Individuals from Iowa volunteer and combination departments registered in the following courses will receive a \$15.00 reduction per day in their fire school registration, due to partial grant funding from the Volunteer Firefighters Training Fund.

- Big Rig Rescue
- Vehicle Rescue Extrication

Ways to Register:

- Register by Phone:
1-800-362-2793, Ext. 1322 or
515-574-1322
- FAX BOTH pages of the
Registration Form to:
515-574-1321
- Mail BOTH pages of the
Registration Form to:
AST Building - Attn. Joan
Iowa Central Community College
One Triton Circle
Fort Dodge, IA 50501

Refund/Cancellation Policy:

A full refund will be given for cancellations prior to November 1, 2017. After that date, there will be no refunds! This policy will be strictly adhered to. NATA reserves the right to cancel any session that does not meet the minimum registration requirement or to change the instructor.

Northwestern Area Training Academy EDUCATIONAL CONFERENCE

November 4 & 5, 2017

First Name: _____

Last Name: _____

Street Address: _____

City: _____

State: _____ Zip: _____

Contact Phone: _____

Email: _____

Birth Date (Mo/Day/Year): _____

SS#: _____ - _____ - _____

Registration Fees & Credits:

☐ One Day Registration \$50.00

☐ Two Day Registration \$100.00

Training Fund Credit:

☐ Big Rig Rescue - \$15.00

☐ Vehicle Rescue Extrication - \$15.00

TOTAL \$ _____

Method of Payment:

☐ Payment enclosed: \$ _____

☐ Bill this Service /Organization: _____

Attn: _____

Address (Street/City/State/Zip): _____

For security purposes please call or fax credit card information!

Credit Card: ☐ Visa ☐ MasterCard

Exp.Date: _____ CVC: _____

Cardholder Name: _____

Card Number: _____ - _____ - _____ - _____

Cardholder Address (Street/City/State/Zip): _____

Full Name: _____

Contact Phone: _____

Your Registration includes a NATA T-shirt!

Please select a size:

☐ M ☐ L ☐ XL ☐ XXL ☐ XXXL

FAX : 515-574-1321

Mail: AST Building - Attn. Joan
Iowa Central Community College
One Triton Circle
Fort Dodge, IA 50501

Phone: 1-800-362-2793, Ext. 1322 *or*
515-574-1322

To ensure class selection, please mark 1st, 2nd, and 3rd choices:

<u>3-Hour Classes</u>	<u>Saturday</u>	<u>Sunday</u>
Excited Delirium: Opiates and Narcan	____ ZHE-100-FD07 (AM)	____ ZHE-100-FD08 (AM)
Trauma in Agriculture: Cerebrvascular Illness and Injury	____ ZHE-100-FD09 (PM)	____ ZHE-100-FD10 (PM)
Stop the Bleeding	____ ZHE-100-FD11 (AM) ____ ZHE-100-FD12 (PM)	
Till Death Do Us Part & Cardiac Arrest	____ ZHE-100-FD13 (AM) ____ ZHE-100-FD14 (PM)	____ ZHE-100-FD15 (AM)
You Fought the Law & the Law Won!	____ ZHE-203-FD17 (PM)	____ ZHE-100-FD18 (AM)
Integration, Are You Ready?	____ ZHE-203-FD019 (AM) ____ ZHE-203-FD20 (PM)	
Firefighter Cancer Awareness & Prevention	____ ZPS-203-FD04 (AM) ____ ZPS-203-FD05 (PM)	
Motivation in Training . . . Getting it Back to Your Department	____ ZPS-203-FD06 (AM) ____ ZPS-203-FD07 (PM)	
Basement Fires	____ ZPS-203-FD08 (AM)	
Human Trafficking		____ ZPS-203-FD09 (AM) ____ ZPS-203-FD10 (PM)
Principles of Modern Fire Attack - SLICE-RS	____ ZPS-203-FD13 (PM)	____ ZPS-203-FD14 (PM)
Drones in the Fire Service		____ ZPS-203-FD15 (AM) ____ ZPS-203-FD16 (PM)
The Art of Reading Building		____ ZPS-203-FD17 (AM)
The Art of Reading Smoke		____ ZPS-203-FD18 (PM)
<u>One-Day Classes</u>	<u>Saturday</u>	<u>Sunday</u>
*** Big Rig Rescue	____ ZPS-203-FD01	
PEARS: Pediatric Emergency Assessment, Recog. & Stab.	____ ZHE-100-FD16	
Rural Water & Pump Operations	____ ZPS-203-FD11	____ ZPS-203-FD12
Advance Ventilation	____ ZPS-203-FD19	____ ZPS-203-FD20
<u>Two-Day Class</u>	<u>Saturday & Sunday</u>	
*** Vehicle Rescue Extrication	____ ZPS-203-FD02	
Essentials of Fire Fighting	____ ZPS-203-FD03	

*** Individuals from Iowa volunteer and combination departments registered in these courses will receive a \$15.00 reduction per day in their fire school registration, due to partial grant funding from the Volunteer Firefighters Training Fund.