From:	Ouellette, Kara
To:	"cfpc_news@list.ct.gov"
Subject:	CFPC Listserv Notices 03/22/2018
Date:	Thursday, March 22, 2018 4:31:00 PM
Attachments:	Uconn.pdf Lewandowski.pdf Spring 2018 FF1 flyer.pdf 2018 EHFD FF1 Schedule.pdf

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State of Connecticut
Department of Emergency Services & Public Protection
Commission on Fire Prevention and Control
March 22, 2018

1. **To All Recent CPAT Applicants**
2. **Conn Fire-Farmington Station Retirement Celebration**
3. **Retirement Party in Honor of Chief Mark Lewandowski**
4. **NFA Pilot Course Advanced Science of Hazardous Materials**
5. **East Haddam Firefighter 1 Class**
6. **Accelerated Emergency Medical Technician Course - East Hartford ** Starts Monday ****
7. **CFA April Seminar – Tuesday April 3, 2018**
8. **Firefighter Near Miss Report of the Week**

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1. To All Recent CPAT Applicants

The CPAT test date assignments have all been sent to your email addresses. If you did not receive a confirmation, please email Jacklyn.Kilby-Richards@ct.gov so a new email can be sent with your schedule. **DO NOT CALL THE ACADEMY.** All communications regarding your CPAT must be done via email.

To all others – CPAT registration is CLOSED
Cut-off date was March 10, 2018

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2. Conn Fire-Farmington Station Retirement Celebration

Please join UConn Fire Department and IAFF Local S-15 in celebrating the 20+ year careers of Captain Christopher Brewer, Captain Daryl Byrne, and Firefighter Renata Tewksbury. The celebration will occur on Friday, April 6, 2018 from 6pm-10pm at The Gallery in Glastonbury. Tickets are $35 per person and include one hour of open bar. To purchase tickets, please contact the on-duty OIC at the Farmington Station or Firefighter Leslie Prior.

Please see the attached flyer for more information.

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3. Retirement Party in Honor of Chief Mark Lewandowski

A retirement party in honor of Chief Mark Lewandowski of the Kensington Fire Department will be held on Friday, May 4th from 6-10 p.m. at The Farmington Club 162 Town Farm Rd in Farmington, CT 06032. Cost is $55 per person includes Dinner/Beer/Wine-Cash Bar. For tickets contact Jim Regan (860) 209-0351 or Tom Powers (860) 836-5497. Tickets are limited.

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4. NFA Pilot Course Advanced Science of Hazardous Materials

The National Fire Academy is recruiting students to pilot test the new course *Advanced Science of Hazardous Materials Response*. The course code is P0655. Course dates are July 22-27.
Interested students are experienced Hazardous Materials Technician Level responders and related DOD and National Guard CST and US Coast Guard personnel that are responsible for interpreting and implementing activities related to the facts, science, and circumstances of the incident to implement a risk based response.
Additional information about this course and offering is available at:
https://nfa.usfa.fema.gov/misc/P0655_Pilot_July22-27.pdf

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5. East Haddam Firefighter 1 Class

The East Haddam Fire Department will be hosting a Firefighter 1 class beginning April 7th 2018. Please see attached flyer and schedule if interested.

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6. Accelerated Emergency Medical Technician Course - East Hartford ** Starts Monday **

Dates/Times: March 26, 2018 to April 26, 2018 - Monday to Thursday - 9:00 AM to 5:00 PM
Location: Code One East Hartford - 121 Roberts Street East Hartford, CT 06108
Details: Code One's 5 week, 180 hour intensive Emergency Medical Technician program has graduated hundreds of professional responders since the first program began in 2007. Code One graduates work and volunteer throughout the United States and include police officers, military, firefighters, and federal agents. Many Code One graduates have furthered their education in emergency medicine and now work as nurses, physicians, and paramedics. Code One's team of instructors are motivated to provide the best training program available.
Invoicing: Fire/EMS/Police agencies can be invoiced for participants. Please have participants register with the discount code "INVOICE" and then provide invoicing instructions in their registration notes. Invoicing instructions should include the agency

name, point of contact, email to send the invoice to, and PO number if it is needed on the invoice. If you have 4+ participants interested in attending, please contact Rich for a group discount (rich@code1web.com).
Register: Participants can register at https://code1web.com/accelerated-emergency-medical-technician

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7. CFA April Seminar – Tuesday April 3, 2018

Chief Peter Van Dorpe

http://www.ct.gov/cfpc/cwp/view.asp?Q=589180&A=833

Course Description: Lightweight energy efficient construction, modern fuels, firefighter encapsulation and manpower reductions have combined to make today's residential firefight a dramatically new challenge for even the most experienced firefighter. This workshop brings together cutting edge research and best practices to help firefighters develop strategies and tactics for mounting interior fire attacks in modern residential construction. It will assist participants in developing best practices for mounting an intelligent fire attack within these structures, particularly in attics and basements, and whenever they encounter ventilation limited or post flashover conditions. This workshop will cover the following objectives:
• Introduce the scope and magnitude of the problem
• Review the most recent UL/NIST research available
• Present curriculum on strategies and tactics for the modern fire ground.

Instructor Bio:
Chief Van Dorpe recently retired as Director of the Chicago Fire Department's Training Division after a 33 year career with the CFD. He holds a Bachelor's degree in Fire Science Management from Southern Illinois University. He has recently participated as a Subject Matter Expert for UL's research on *"Structural Stability of Engineered Lumber In Fire Conditions"*, the National Institute of Standards and Technology's, *"Evaluating Firefighting Tactics Under Wind Driven Conditions"*, the IAFF/NIST *"Firefighter Safety and Deployment Study"* in high rise buildings. Chief Van Dorpe is the 2016 recipient of the Fire Engineering/ISFSI George D. Post Instructor of the Year award.

Course # 17550
$65.00 includes lunch

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8. Firefighter Near Miss Report of the Week

Gravel Causes Pump Failure

Summary

As a crew entered to make an attack on a structure fire, the pump suddenly stopped. The nozzle firefighter advised the entry crew of no water and they backed out of the structure just as the floor collapsed into the basement.

Event Description

Upon arrival, we found a working fire in a residential structure. We laid about 300 feet of 5” supply line from the hydrant and advanced a 200-foot line to the front door.

After making a difficult stretch to the Alpha side, the nozzle firefighter found a truck crew forcing entry. The first firefighter through the door began a right-hand search while the officer headed straight into the home. Three short bursts of water into a heated ceiling environment and the line went limp just as the truck officer warned of a collapsing floor in front of him. The crew retreated from the structure and began to attack the fire from a basement entrance on the Bravo side.

After the fire was under control, the nozzle firefighter and pump operator discussed the loss in pressure. Pump cavitation caused the loss in pressure, but resetting the pump allowed the return of flow. The next day, the crew determined gravel had gotten into the pump through a corroded intake screen and caused the pump to shut down.
View the Report: Pump Shuts Down During Dangerous Entry

Take-Aways

There are a number of lessons from this submission, and I recommend reading the entire report. To prevent foreign debris from entering the pump, flush the hydrant before connecting a feeder line. While this can help to prevent flooding the impellers with gravel, it’s not absolute in preventing an obstruction.

An additional way to prevent getting debris into the pump is to use an intact screen strainer over the pump inlet. This can prevent debris from a pressurized source like a hydrant or from drafting out of an impounded water source.

Discussion

- One of the first lessons taught in recruit training is catching a hydrant; what policies guide your instruction for new recruits?
- Do you have a specific technique for wrapping the hydrant? How has this changed with the use of large diameter hose and other appliances?
- Do you always flush the hydrant?
- Spend some time discussing with your crew the reasons behind these policies.
- Do you regularly inspect hydrants in your area? Does this include flowing water at the fully open position?
- Is there another purpose for the intake strainer on the pumper?
- How often do you inspect the intake strainer?

Leading Practices

With the advent of large-diameter hose, many departments use large gated valves to control the water that enters the pump. The major concern is that the valve can obscure visual inspection of the intake screen strainer. When strainer corrosion occurs, debris can enter the pump and obstruct the impellers. While the obstructions are dangerous, the debris can also

damage the pump and degrade performance over time.

Pump manufacturers recommend inspecting the intake screens twice a month. The inspection should include the margin where the screen contacts the pump housing. Corrosion-free contact at this location ensures the best protective bond.

Regular inspection and cleaning of these screens is a vital part of overall fire-pump maintenance because the strainer itself is made of a metal alloy designed to corrode in order to protect the pump from deterioration. A process called galvanic corrosion allows the sacrificial anode metal in the screen strainer to corrode and protects the cathodic metals in the pump housing and impellers from deterioration.

Cathodic protection helps lengthen the life of the pump as long as the sacrificial anodic material is available to absorb the galvanic corrosion. If you identify screen-strainer corrosion during your inspection, replacement is required to protect the pump from damage.

Related Near Miss Reports

Gravel Clogs Nozzle During Fire Attack
Gravel in Intake Causes Hoseline to Lose Pressure
Fog Nozzle Becomes Clogged at Dumpster Fire

Additional Resources

Talking Points: Cathodic Protection (PDF)
Cathodic Protection: Why do we need Sacrificial Anodes in Our Pumps Today?
The Venerable Fire Pump: Worth More than the Sum of Its Parts