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FUSIBLE LINK

February 2021

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President's Message....

The February 1st Chapter meeting will be a virtual meeting and WILL NOT be held at the usual venue at the Hanover Manor. The sign up for the Virtual Meeting is below. There will be no general meeting, just the presentation. The Board is working on how we may do virtual general meetings but for now we are doing just presentations. The March meeting will probably be virtual as well with specific details going to you later once finalized.

Stay Safe, Stay well and we'll see you all virtually on Feb 1st.

Rich Reitberger, FSPPE

Chapter President

Meeting Information:

Feb 1, 2021 guest speaker will be Shaun Kramer, Viking Group Inc Manager of Technical Support.

Topic: Impact of Interim Revisions to FM DS 8-9

Sign up information below:

Impact of Interim Revisions to FM DS 8-9

Microsoft Teams meeting

Join on your computer or mobile app

[Click here to join the meeting](#)

Or call in (audio only)

+1 269-485-0051,,757093449# United States, Otsego

Phone Conference ID: 757 093 449#

Fire At World's Largest Vaccine Producer Leaves Five People Dead

By Bill Galluccio
January 21, 2021



At least five people died after **a massive fire tore through a building that was under construction** at the Serum Institute of India, which is the world's largest vaccine manufacturer. Officials said that five bodies, which were believed to be construction workers, were found in the rubble after the fire was extinguished.

"We have just received some distressing updates; upon further investigation we have learnt that there has unfortunately been some loss of life at the incident. We are deeply saddened and offer our deepest condolences to the family members of the departed," **CEO Adar Poonawalla tweeted**.

The company said that the fire did not impact its ability to manufacture COVID-19 vaccines.

"I would like to reassure all governments & the public that there would be no loss of #COVISHIELD production due to multiple production buildings that I had kept in reserve to deal with such contingencies at @SerumInstIndia. Thank you very much @PuneCityPolice & Fire Department," **Poonawalla said on Twitter**.

The Serum Institute of India is currently producing about 50 million vaccines per month and was contracted to supply at least one billion doses of the AstraZeneca vaccine for governments around the world.

The fire broke out in a building that was being constructed to **increase the company's production capacity**. It is hoping to produce between 1.5 and 2.5 billion doses by the end of the year.

Investigators are on the scene and trying to determine what caused the fire.

A WORD ABOUT OUR FEB. SPEAKER

Shaun Kramer

Shaun Kramer, Viking Group Inc Manager of Technical Support has been with Viking Corporation for 14 years. Shaun is Nicet Level 3 Certified in both Water – Based Systems Layout, and Special Hazards Suppression Systems. Prior to joining Viking, Shaun was a Sprinkler Systems Designer for 7-1/2 years with two sprinkler contractors. Shaun is an alternate on the NFPA 13 Technical Committee for Sprinkler Discharge Criteria.

Topic Changes to FM 8-9

- Describe the effects of moving the above 40'-0" ceiling only protection options from Tables 2,3,5,7,& 8 to table 17b
- Explore the impact of reducing the number of design sprinklers from 12 to 9 or 10 in Tables 2 through 11.
- Discuss how the shape factor of the remote area is affected based upon FM 3-0 Hydraulic for Fire Protection Systems, when applying 2-11



Per- and polyfluoroalkyl substances (PFAS) are a large family of man-made chemical compounds found in a wide range of consumer products such as nonstick products, polishes, waxes, paints and cleaning products. Two PFAS compounds, perfluorooctane acid (PFOA) and perfluorooctanesulfonic acid (PFOS), may be present in firefighting aqueous film forming foam (AFFF) solutions.

Dangers

Certain PFAS can accumulate and stay in the human body for long periods of time. Long-term exposure to PFAS/PFOA/PFOS, in high concentrations, causes a buildup in the body. This buildup may have negative health effects like a risk of thyroid disease and testicular, kidney and bladder cancers.

Prevent exposure to dangerous chemicals in AFFF



Protection against exposure

PFAS/PFOA/PFOS may be orally ingested, absorbed through the skin or inhaled through exposure in the atmosphere. Personnel at departments that use firefighting AFFFs with PFAS/PFOA/PFOS should practice the following controls to stay safe from exposure:

- ✔ Replace older AFFF stocks with fluorine-free foam solutions.
- ✔ Contain and manage AFFF and water runoff.
- ✔ Wear personal protective equipment (PPE) and a self-contained breathing apparatus (SCBA) whenever handling AFFF.
- ✔ Properly remove and bag contaminated PPE prior to transporting.
- ✔ Use cleaning wipes on your face, neck and hands immediately after exposure.
- ✔ Clean contaminated PPE and SCBA before its next use.
- ✔ Shower within one hour of returning to the station or home.

If you believe that you were exposed

See your occupational healthcare provider and document the PFAS/PFOA/PFOS exposure. Tell your provider about any concerns during your annual medical exam.

Code Books

Ernesto Vega-Janica, representing IEEE, has generously made their excess inventory of NFPA Standards and IEEE Engineering Guides available to our membership.

We are making them available on a first come first serve basis, they are available to New Jersey municipal fire officials and fire sub code officials.

To obtain a title, contact Paul McGrath at paul@cityfire.com or 973-560-1600 ext. 204. Items may be picked up at The Store at City Fire, 733 Ridgedale Avenue, East Hanover, NJ 07936.

Book Inventory

As Of December 8, 2020

Book Code	Doc No	Title	Format	In Stock
NFPA70a	10-Mar	NFPA 70 - Natl Elec Code (NEC), 2005 Ed	SC	0
				0
NFPA70b	70SB08	NFPA 70SB08 - Natl Elec Code Soft & Hard Set, 2008	SC	17
NFPA70c	70	NFPA 70 - Natl Elec Code (NEC), 2008 Ed	SC	29
NFPA70d	70HB08 / 70HCD08	NFPA 70HB08/70HCD08 - Natl Elec Code HB, 2008	HC	21
				0
NFPA70e	70HB11	NFPA 70HB11 - Natl Elec Code (NEC) HB, 2011	H	131
NFPA70f	70	NFPA 70 - Natl Elec Code (NEC), 2011 Ed	SC	282
				0
NFPA70g	70E	NFPA 70E - Std for Elec Safety in Workplace, 2015	SC	0
NFPA70h	70EHB15	NFPA 70EHB15 - NFPA 70E: Std for Elect	HC	85
NFPA70i		NFPA 70E: Standard for Electrical Safety in the Workplace and Handbook (Set), 2015 Edition	H	0
				0
NFPA70j	70E	NFPA 70E - Std for Elec Safety in Workplace, 2009	SC	2
				0
NFPA72a	72	NFPA 72 - Natl Fire Alarm & Signaling Code, 2016	SC	0
NFPA72b	72HB16	NFPA 72HB16 - Natl Fire Alarm & Signaling HB, 2016	HC	51
				0
				0
		IEEE SFPE Eng Guide for Assessing Flame Radiatn	H	4
		IEEE SFPE Eng Guide for Eval of Model DETACT-QS	H	12
		IEEE SFPE Eng Guide for Piloted Ignition	H	18
		IEEE SFPE Eng Guide for Pred Room of Origin Fire	H	0
		IEEE SFPE Eng Guide for Predicting Skin Burns	H	10
		IEEE SFPE Eng Guide for Substantiation of Fire	H	1
				0
				0
		SFPE - SFPE Std on Cald Methods to Predict Thermal	H	5
				n

UNITED FIRE SYSTEMS

October
2020

ATTENTION SPECIFIERS!

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(CEU credits, that is!)

With UNITED Fire Systems Training Courses



Three (3) Different Courses:

- Preaction and Dry-Pipe Fire Sprinkler Internal Corrosion - Causes, Consequences, and Countermeasures
 - Preaction Fire Sprinkler Systems - Important Guidelines
 - Advanced Technology Smoke Detection

UNITED Fire Systems is pleased to offer FREE webinars to the engineering community to help you understand the most important topics in fire protection today. Learn about the latest information on sprinkler pipe corrosion, the newest advancements in smoke detection, and the most important things to know about preaction fire sprinkler systems.

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Why UNITED Fire Systems?

Of all the training providers out there, we represent the most advanced combination of expertise in fire sprinkler, fire detection, and corrosion prevention technology. No one else puts it all together as we do.

Course: Preaction and Dry-Pipe Fire Sprinkler Internal Corrosion - Causes, Consequences, and Countermeasures

An in-depth look into the reasons and results of corrosion in sprinkler piping. The course begins with learning about the different types of corrosion that can happen to sprinkler piping. From this, the course explores what happens to sprinkler piping due to corrosion. The course ends with presenting effective prevention strategies. Learning objectives:

1. Comprehend the **fundamentals** of steel corrosion.
2. Identify **causes** and types of corrosion within sprinkler piping.
3. Understand **consequences** of corrosion within sprinkler piping.
4. Offer **countermeasures** to prevent corrosion within sprinkler piping.

Course: Advanced Technology Smoke Detection

An in-depth look into the advancement of smoke detection technology. After reviewing the history of smoke detectors, the course describes various principles of advanced smoke detection, followed by examples. Learning objectives:

1. Understand **how far** smoke detection has come.
2. Know the difference between different **smoke detection principles**.
3. Discern which smoke detection technology is the **best solution**.
4. Understand other **environmental hazards** that can be detected in specific buildings.

Course: Preaction Fire Sprinkler Systems - Important Guidelines

An in-depth look into preaction sprinklers. This course covers regulation on preaction fire sprinkler systems. This includes guidelines for the control panel, detector regulations, and other rules to follow when using preaction sprinklers. Learning objectives:

1. Understand **rules** for use of preaction sprinkler systems.
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3. Present various advanced **fire detection options**.
4. Learn about **sprinkler corrosion** and countermeasures.

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[Email us](#) for more details or to schedule your course session!

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Meeting Dates/Programs 2020-2021

Prior to the Covid19 pandemic, in person meetings were held at the Hanover Manor, 16 Eagle Rock Avenue, East Hanover, NJ with social hour starting at 5 pm and dinner at 6 pm. Until the pandemic is better controlled and it is safe to go back to our normal operating meetings, the Chapter will hold virtual video calls. These calls will primarily focus on our technical presentations

2020-2021 SFPE Program Schedule	Presenter	Date
Impact of Interim Revisions to FM DS 8-9	Shaun Kramer Viking Group Inc Manager of Technical Support	February 1, 2021 *See presidents message for virtual meeting sign in
Sprinkler Freeze Protection	Amber Bodner Johnson Controls	March 1, 2021
Spring Technical Seminar		April 2021
United Fire Protection Tour		May 3, 2021
SFPE NJ NY Metro Chapters Foundation Golf Outing		June 7, 2021
Annual Meeting/ Lithium Ion Batteries	TBD	June 14, 2021

Looking for HPR Experienced Engineers!



Risk Logic Inc. is an unbundled Property Loss Prevention Engineering company that has been performing HPR (Highly Protected Risk) inspections for 23 years all over the world. *We are actively looking to expand our network of engineers helping us to inspect large commercial property facilities.*

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Europe

Florida

California

The qualifications:

Knowledge of FM Global and NFPA Standards

PE license a plus

The details:

Paid on a per-job basis

We pay you the day you submit your report. Our competitors do not!

Travel required

Determine adequacy of A.S. systems and water supplies for manufacturing and storage occupancies

Analysis of natural hazard exposures

Develop recommendations for improvement

Expertise in NLEs, PMLs, and MFLs

Strong technical writing skills

Self-motivated person who can work from home

To apply, please email your Resume and experience in Specialty Occupancies to efitzgerald@risklogic.com

Advertising in the Fusible Link

It is a new advertising year and we invite you to participate with a spot in our Chapter newsletter the ***Fusible Link***. We have a few options to get your name out to the full membership and also to be a part of our website, Just click on the convenient link below to register now. Thanks in advance for your consideration to advertise with us today. We appreciate your support of the Chapter.

<http://events.constantcontact.com/register/event?llr=gyofsfkab&oeidk=a07egtv146yab39552f>



Donate today and help a Fire Protection Engineering student reach their goal of becoming an FPE. Your donation is also tax deductible. www.njsfpe.org/scholarship_fund_donations



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2020-2021 Chapter Committees

STANDING COMMITTEES

Program / Arrangements – Vicki Serafin / Rich Reitberger

Membership – Rich Reitberger

Nominating – Mike Newman / Dave Gluckman

Auditing – Evan Fitzgerald / Vanessa Gallagher

Archivist / Historian – Vicki Serafin / Marvin Maradaga

Communications:

Fusible Link – Brad Hart / Lindsey Taylor / Paul McGrath

Electronic Correspondence – Vicki Serafin

Website – Paul McGrath / Lindsey Taylor

Bylaws – Joe Janiga / Rich Reitberger

Career Recruitment – Donna Spano

Legislative – Jerry Naylis / Mike Wilson

Chapter Seminar – Jim Loftus

SFPE International Liaison – Glenn Buser

Fire Prevention Week Grant Program – Paul McGrath / Dave Gluckman

Chapter Excellence Awards & Chapter Awards – Rich Reitberger / Vicki Serafin

NJ / NY Chapters Education Foundation – Rich Reitberger / Mike Newman

HELPFUL LINKS

ADAAG <http://www.access-board.gov/adaag/about/index.htm>

AFAA National <http://www.afaanet.org/>

AFAA <http://www.afaanet.org/>

ANSI <http://web.ansi.org/>

ASHRAE <http://www.ashrae.org/>

Campus-Firewatch <http://www.campus-firewatch.com/>

Coffee Break Training <http://www.usfa.dhs.gov/nfa/coffee-break/>

CPSC <http://www.cpsc.gov/>

CSAA <http://www.csaul.org/>

Municipal Codes (E Codes) <http://www.generalcode.com/Webcode2.html>

FDNY <http://nyc.gov/html/fdny/html/home2.shtml>

FM Global <http://www.fmglobal.com/>

FSDANY <http://www.fsdany.org/regs.htm>

FSI <http://www.firesprinklerinitiative.org/>

FSSA <http://www.fssa.net/>

Fire Tech Productions—Nicet Training (FTP) <http://www.firetech.com/>

Home Fire Spkrl Coalition <http://www.homefiresprinkler.org/>

HVAC Bld. Control Fire Safety <http://www.iklimnet.com/hotelfires/hotelfiresmain.html>

AFAA-NJ <http://www.afaanj.org/>

International Code Council - <http://www.iccsafe.org/>

International Code Council Residential Sprinkler Exam - <http://www.iccsafe.org/news/>

[nr/2009/0709_ResidentialSprinklerExam.pdf](http://www.iccsafe.org/news/nr/2009/0709_ResidentialSprinklerExam.pdf)

The Joint Commission (JCAHO) - <http://www.jointcommission.org/www.JointCommission.org/>

Material safety data Sheets (MSDS-OSHA Site) - <http://www.osha.gov/SLTC/hazardcommunications/index.html>

National of Fire Equipment Distributors (NAFED) - <http://www.nafed.org/index.cfm>