



# Society of Fire Protection Engineers

New Jersey Chapter

Interim Editor Fusible  
Link: Brad Hart & Ana  
Crisostomo  
Tel. (212) 837-0827  
Fax (212) 344-3060

**President** – Chuck Gandy – 973-398-1445  
**First V.P.** – Sarge Slicer – 973-541-6718  
**Second V.P.** - Rich Reitberger – 973-541-6776  
**Past President** – Joe Janiga – 973-541-6774  
**Director** - Pat Egan - 973-402-2200  
**Director** - Frank Savino - 908-688-0300

**Treasurer**– Glenn Deitz – 973-822-7396  
**Asst. Treasurer** – John Cholin – 201-337-8621  
**Secretary** – Dave Gluckman – (973) 410-4635  
**Asst. Secretary** – Brad Hart – 212-837-0827  
**Director** - Bob Murray - 732-205-9440  
**Director** - Edgar Novoa - 732-868-2357

## FUSIBLE LINK

[www.njsfpe.com](http://www.njsfpe.com)

February 2002

### NJ-SFPE Membership Meeting Minutes 01/07/02

1. The secretary read the minutes from the December 3, 2001 meeting which were accepted.
2. The treasurer's report was read and accepted.
3. A motion was made and carried to accept the application of Patrice Blue as a member of the NJ SFPE Chapter.
4. The NJ Chapter Seminar will be held on April 5, 2002 at the Hanover Manor. Topics will include the World Trade Center and engineering ethics/legal considerations in fire protection design. Also, a cocktail party will take place after the seminar in honor of the Chapter's 25<sup>th</sup> anniversary.

### TECHNICAL PRESENTATION FROM JANUARY 7 MEETING

John Cholin conducted a presentation titled, "Fly-ash Storage Silo Explosion Reconstruction."

This presentation provided the audience with an insight into loss reconstruction and demonstrated the importance of incorporating numerous engineering disciplines not just fire protection engineering, into the analysis. This reconstruction was needed to determine the events that led to a catastrophic failure of a silo at a fly ash recycling facility. Since the fly ash stored in the silo (about 8,500 tons) was fully oxidized as a by-product of burning coal utilized in adjacent power plant, the questions to be answered were, "What caused this failure and was it negligent design or an explosion?"

As a result of the reconstruction performed, it appeared that the cause of this explosion was a deflagration of CO gas, which occupied a portion of the silo.



**William F. Wayman**  
Regional Director

200 Valley Road, Suite 306  
Mt. Arlington, NJ 07856  
E-mail: [bwayman@tvafiresafety.com](mailto:bwayman@tvafiresafety.com)

Tel (973) 398-1445  
Fax (973) 398-1442

## AUDITABLE ALARM EVACUATION SIGNALS

The 1995 National Building Code of Canada requires the fire alarm signals to sound the TEMPORAL-THREE (T-3) pattern as defined in ISO STANDARD 8201 "Acoustics - Audible Emergency Evacuation Signal. It is believed that the T-3 pattern will become a worldwide sound that means "EVACUATE THE BUILDING IMMEDIATELY."

A recent study was conducted by NRC-CNRC to assess the public's recollection, identification and perception of the URGENCY of the T-3.

Six different signals were used in the study, T-3 car horn; reverse alarm (truck); a fire alarm bell; a slow whoop fire alarm and an industrial warning buzzer.

Public members were approached in such buildings as shopping malls, offices, libraries and airports. A total of 307 participants were interviewed. The T-3 was correctly identified as a FIRE or EVACUATION Alarm only 6% of the time. The T-3 was usually associated with domestic signals such as a busy phone or an alarm clock. Only the buzzer was rated below the T-3 as related to URGENCY.

The project suggests that considerable public education is necessary to improve people's recognition of the T-3 signal and that it is unrealistic to believe people will begin evacuation as soon as they hear the T-3. It is recommended that staff information or voice alarm information will always be needed to confirm that evacuation is needed. Specific questions can be directed to Dr. Guylene Proulx at (613) 993-9634, Fax (613) 954-0463 or email [guylene.proulx@nrc.ca](mailto:guylene.proulx@nrc.ca). Briefed from Construction Innovation Volume 6, Number 4, Fall 2001, published by the National Research Council Canada.

Editor's Comment: The T-3 is not alone. We have personally noted on numerous occasions that the public is reluctant to evacuate a building regardless of the signal. As stated above CONSIDERABLE PUBLIC EDUCATION IS NEEDED FOR ALL ALARMS even for Fire Prevention specialists.

The INTERNATIONAL BUILDING CODE ENTAILS "a distinctive signal not used for any other purpose" and a variety of sound pressure levels (dBA). See Section 907.9.2 IBC.

## SENIOR PROPERTY RISK CONTROL SPECIALIST

Major Fortune 500 Insurance Broker Located in the NY Metropolitan area has a position available for a Senior Property Risk Control Specialist to provide consultative services to internal and external clients. The successful candidate will have had 3 to 7 years experience with the testing and or design of various fire suppression systems as well as extensive knowledge of local building and fire codes. Prior experience with an insurance carrier or broker is essential. Some local travel required. Degree in a related field is preferred. Salary negotiable. Contact John Callahan at 888-762-7327 ext. 209 and or e-mail resume to [Jcallahan@RMAinc.com](mailto:Jcallahan@RMAinc.com)

**EDWARD B. ARMM**  
SENIOR CONSULTANT




---

**ROLF JENSEN & ASSOCIATES, INC.**  
FIRE & SECURITY ENGINEERING CONSULTANTS

130 WEST 30TH STREET  
13TH FLOOR  
NEW YORK, NY 10001-4092 USA

+1 212 695-6670  
FAX +1 212 695-6671  
[earmm@rjagroup.com](mailto:earmm@rjagroup.com)

**A SUBSIDIARY OF THE RJA GROUP, INC.**

## NFPA GOES ELECTRONIC WITH "UPDATE"

Beginning in January, 2002 NFPA "UPDATE", their bi-monthly newsletter will become a monthly electronic newsletter. The new e-version will be e-mailed directly to your computer. *What do you do?*

The electronic version of NFPA UPDATE will be mailed to ALL NFPA members for whom NFPA has a valid e-mail address. Visit NFPA on-line to register your address. ([www.nfpa.org](http://www.nfpa.org)).

### **\*\*LOSS CONTROL CONSULTANT NEEDED\*\***

**Starr Technical Risks Agency, Inc.**, is seeking a Loss Control Consultant with experience in "energy" and related classes of business. The selected individual will spend approximately fifty percent of his/her time conducting loss control surveys at insured's and prospective insured's sites, primarily in the Northeastern part of the U.S. The Consultant will develop market reports, interview prospective clients and make recommendations. The remainder of this person's time will be spent in the New York Regional office, writing reports and supporting the underwriting activities of the staff. Further details of this position are contained in the September and October issues of the *Fusible Link*.

Qualified candidates can contact Rhonda Clarke at 212-770-5099.

**Associated fire Protection**  
100 Jackson Street Paterson, NJ 07501  
**Roland Straten**  
Professional Engineer  
SPECIALIZING IN THE DESIGN AND INSTALLATION OF:

<b>SPECIAL HAZARD SYSTEMS</b>	<b>FIRE ALARM SYSTEMS</b>
* FM 200      * Foam	
* CO <sub>2</sub> * Kitchen	<b>SPRINKLER SYSTEMS</b>
* Wet and Dry Chemical	

Call Today 1-888-FIRE FIX      Buy Online at [www.afpfire.com](http://www.afpfire.com)



Job openings for HPR, Risk Control and FPE's seem to be on the increase. Rather than turn the Fusible Link into a want ad press, we will limit space for this purpose to a reasonable degree. Current job openings will be published in full on the New Jersey Chapter's web site: [www.njsfpe.com](http://www.njsfpe.com)

### HIGHLY PROTECTED RISK (HPR) PROPERTY SPECIALIST

TVA Fire & Life Safety is looking for several HPR engineers to work out of our NJ office. Other positions throughout the US are also available. The candidate will advise customers for the purposes of safeguarding property against fire, explosion, and related hazards by performing the following duties:

- ◆ Conducts detailed surveys of industrial and commercial properties to obtain construction, occupancy, protection and exposure details.
- ◆ Evaluates adequacy of protection.
- ◆ Reviews plant conditions to determine largest potential catastrophic loss (Maximum Foreseeable Loss).
- ◆ Prepares detailed engineering reports in a timely fashion to confirm survey findings and outline recommendations.
- ◆ Analyzes exposures, prioritizes needed improvements and provides loss prevention/control advice to existing and prospective customers.
- ◆ Develops protection requirements for new construction projects and evaluates proposed safeguards through review of plans and on-site inspections.
- ◆ Prepares correspondence to communicate engineering findings and recommends priorities.
- ◆ Maintains regular contact with customers to resolve loss prevention/control issues; suggests alternative solutions to recommendations.

### QUALIFICATIONS

Bachelor's degree (B. S.) in an applicable engineering discipline or equivalent combination of education and experience is required. Three years

experience with an HPR firm is preferable. Working knowledge of Factory Mutual and NFPA Standards.

Excellent communication and interpersonal skills. Ability to respond to inquiries from customers. Must possess the ability to read, analyze, and interpret full sets of blueprints, professional journals, technical procedures, or governmental regulations. Must possess the ability to write reports, business correspondence, and to effectively present information and respond to questions from customers.

Please contact Chuck Gandy, TVA Fire & Life Safety, 200 Valley Road Suite 306, Mt. Arlington, NJ 07856-(973) 398-1445 x4514, fax (973) 398-1442, e-mail [cgandy@tvafiresafety.com](mailto:cgandy@tvafiresafety.com).



## FM GLOBAL JOB OPENINGS

FM Global's Parsippany, NJ office has several job openings for engineers and underwriters in their HPR and Commercial Properties divisions. If you are interested in applying for any of the following you can e-mail your resume to [joseph.janiga@fmglobal.com](mailto:joseph.janiga@fmglobal.com) or call Joe at 973-402-2200x6774.

**ACCOUNT ENGINEER** - In this position, you will work directly with the underwriters to evaluate and assess the nature, probability, and magnitude of loss potential and communicate this to the customer and account team. You'll prioritize exposures, ensure the customer understands the hazards and risk to their facilities, find agreeable solutions, and you'll implement needed changes. Through teamwork with FM Global field engineering, underwriting, claims and new business development, you'll

provide leadership and responsive service with innovative solutions to challenges that will foster long-term customer relationships.

The candidate should have an engineering Degree and at least 3 years F&EC field engineering experience. Must have excellent communication, analytical, presentation, sales, time management, and teamwork skills. Strong leadership, risk identification, quantification, and assessment skills are required. Effective problem solving and computer skills are needed. About 20% overnight travel is anticipated.

**F&EC LOSS PREVENTION CONSULTANT** - The person(s) in this position will be responsible for loss prevention evaluations and risk improvement for a wide range of occupancies in the NJ/NY metropolitan region.

The candidate should have a B. S. degree in an engineering discipline. The candidate should have excellent written and verbal communication skills along with strong interpersonal skills. Additional skills include computer competency in current technology and software, excellent time management skills and the ability to work independently from a home office. Expected overnight travel is approximately 10-25%.

UNITED FIRE PROTECTION CORP.  
Union, NJ 07083 • (908) 688-0300  
Fire Alarm                      Inergen  
FM-200                              Carbon Dioxide  
FE-13                                Foam  
Authorized distributor for:  
Fenwal • Ansul • Notifier

## SPRINKLER LICENSING BILL SIGNED

On December 28, 2001 Assembly Bill 1950 was signed into law. It establishes a certification program for persons who install, service, repair, inspect and maintain fire protection equipment. Oversight will be provided by the Department of Community Affairs. This is the sprinkler bill that has

been in the works for over 10 years and has finally been passed. Look for word on how rules and regulations will be promulgated and how this law will affect the Burglar Alarm, Fire Alarm and Locksmith committee.

## **ARC-FAULT INTERRUPT**

Effective January 1, 2002, Arc-fault circuit interrupter protection will not be required in Connecticut. On October 23, 2001 the Department of Public Safety received approval from the Legislative Regulations Review Committee to amend the 1999 National Electrical Code which does require such protection.

## **FIRE PROTECTION EQUIPMENT CERTIFICATION - NJ**

Legislation to establish a comprehensive certification process for contractors who install, service, inspect and maintain fire protection equipment was signed into law on December 28, 2001 by acting Governor DiFrancesco. The new law specifies that a fire protection contractor engaged in the installation, servicing, repair, inspection or maintenance of fire protection equipment must HOLD or EMPLOY an individual who holds a certificate to be issued by the Department of Community Affairs to signify that the company is qualified and has properly trained employees to do the work. The fire protection contractor who is not a certificate holder will be required to obtain

a fire protection business permit, valid for three years.

Applicants for certification must be 18 years old, of good moral character, meet qualifications to be established by DCA and successfully pass a DCA examination. There will be, in addition to a comprehensive contractor, several other various classifications of certification. Contractors must carry liability insurance of at least \$1 million. Work performed by an uncertified employee must be inspected by a certified holder. An Advisory Committee will also be appointed.

**GEORGE KOUTSOUBIS PE**  
SENIOR ENGINEER

**ALPHA~OMEGA ENGINEERING PA**  
235 Water Street • Perth Amboy NJ 08861  
Tel 732.826.6162 • Fax 732.324.0057  
For More Info: [www.AOServices.Net](http://www.AOServices.Net)

## **NJ Chapter April Seminar Status**

Given the events surrounding the World Trade Center, the program directors for this year's seminar thought it would be timely to give our membership an up-to-date session on the WTC investigation. We have the opportunity to hear from a number of the FPE investigators as hired by various authorities as to their findings. It is not anticipated that their report will be officially released until after April. As such we will move the seminar to a later date. More information on this will be announced at the February meeting and in the March edition of the *Fusible Link*.

# 2001-2002

## MEETING DATES/PROGRAM

---

(Programs Subject to Change)

Watch web page concerning cancellation In case of possible inclement weather conditions

Feb. 4 Business Continuity Planning - Larry Wenzel  
March 4 HID Lighting Dangers, GE Ed Yandek  
April Time, date and subject to be announced  
May 6 Sprinkler Fitters Union 696 Sprinkler Economics, Field Trip @ Milburn  
June 3 Viking Upright ESFR

### **\*Watch Web Page for Weather Announcement**

**POSITIONS TAKEN BY SPEAKERS ARE NOT NECESSARILY THE POSITION OF THE NJ S.F.P.E.**

All meetings are held at the Hanover Manor, Eagle Rock Road, Hanover, NJ (approximately 1/2 miles west of Eisenhower Parkway).  
Get Acquainted Hour 5:00-6:00 p.m. Adjournment is usually before 8:30 p.m. The Executive Committee meets at 4:00 p.m.

Editors Note--If you would like to advertise your company and help offset the cost of this publication, as well as having your business card in front of over 150 Fire Protection Professionals please call John Cholin at (201) 337-8621 for further information. The cost is \$100 for 10 issues.

### **COMMITTEES 2001-2002**

#### Standing Committees

##### *Program:*

Mike Newman, Peter Rullo, Co-Chairs, with  
input from all members  
Consulting – Nick Chergotis

##### *NY Chapter Liaison:*

Rich Reitberger (Pat Egan back-up liaison)

##### *Arrangements:*

Mike Newman, Peter Rullo, Co-Chair

##### *Membership:*

Sarge Slicer, Chairman

##### *Nominating:*

Joe Janiga, Chairman  
Glenn Deitz  
Bob Murray

##### *Scholarship Fund:*

Rich Reitberger, Chairman  
Robert Hall  
Two NY Chapter members to be assigned

##### *Auditing:*

Jim Tolos  
Joe Janiga

##### *Archivist/Historian:*

Jim Tolos

##### *Communications:*

*Fusible Link:* Brad Hart, Interim Editor

Dave Gluckman, Asst. Editor  
Ana Crisostomo, Publishing

##### *Mailing/Automation:*

To be determined

#### Special Committees

*Bylaws:* Jim Tolos, Chairman

Joe Janiga – Co-Chairman

##### *Career Recruitment:*

Al Dopart, Chairman  
Tom Brereton  
Joe Stavish  
Glenn Deitz  
Dave Gluckman

##### *Golf Outing:*

Richard Reitberger, Chairman  
Bob Murray

##### *Awards:*

John Ed Ryan  
Frank Savino

##### *PE Examination:*

John Cholin, Chairman  
Joe Janiga  
Mike Newman  
Chuck Gandy

##### *Joint Seminar/Chapter Seminar*

Richard Reitberger, Chairman  
Nick Chergotis  
Pat Egan  
Dave Gluckman

##### *Legislative:*

Rich Reitberger, Chairman  
Jerry Naylis  
Bob Murray  
Nick Chergotis

**Michael T. Newman, P.E.**  
**Manager**  
**Property Loss Prevention**  
**Johnson & Johnson**  
**One Johnson & Johnson Plaza**  
**New Brunswick, NJ 08933**  
**Phone: (732) 524-3224**  
**Fax: (732) 524-2196**

**MEETING NOTICE**

Date: Monday, February 4, 2002  
Place: Hanover Manor  
16 Eagle Rock Avenue  
East Hanover, NJ  
  
Price: In Advance - \$22 At Door - \$25  
  
Dinner: Prime Rib or Fish  
  
Social Hour: 5:00-6:00 (Cash bar for mixed drinks)  
Dinner at 6 PM  
  
Speaker: Larry Wenzel  
  
Topic: Business Continuity Planning

All officers, directors, and committee chairman are requested to attend a meeting at 4:00 p.m. at the Hanover Manor.

-----  
**Please note for this meeting:**

**PLEASE COMPLETE AND RETURN WITH YOUR CHECK PAYABLE TO "SFPE N.J. CHAPTER" TO:**

**Michael Newman**  
**Johnson & Johnson**  
**One Johnson & Johnson Plaza**  
**New Brunswick, NJ 08933**

NAME: \_\_\_\_\_

COMPANY: \_\_\_\_\_ TELEPHONE \_\_\_\_\_

Prime Rib

Fish

ALL RESERVATIONS SHOULD BE RECEIVED BY **FRIDAY, February 1, 2002**. TELEPHONE RESERVATIONS OR CANCELLATIONS SHOULD BE RECEIVED BY NOON OF THE MEETING DAY.

Fusible Link Editors NJSFPE  
C/o Rich Reitberger  
Affiliated FM Ins. Co.  
400 Interpace Parkway  
Parsippany, NJ 07054