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### Spot Light:



#### Facilities Engineering Journal

(free to members)

Topics such as environmental, power, HVAC, maintenance, management, safety, compliance and professional development are addressed by experts in the field each issue.

[Subscribe Today!](#)

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### Newsletter format and content via your AFE-StLouis.org web site!

By requesting to be on our newsletter mail list, you will receive by email, an attached PDF file.

### This Month:

## Chuck's Corner

### Our Members Forum:



Chuck Mueller (CPMM/CPE), is AFE St. Louis Chapter Treasurer and your

### AFE St. Louis Newsletter !

**The latest job opening** added to our online career resource area ...  
**Production Manager** for a company that manufactures food processing equipment. Job is in Chicago/Milwaukee area. Job to oversee the manufacturing (75 people) and coordinate the manufacturing with the rest of the company. Costing, tooling, manufacturing, negotiating, budgeting....  
 Engineering degree desired and 8-10 years experience. Company has been in business for 50 plus years, good opportunity. (contact: [agridenver@cox.net](mailto:agridenver@cox.net))  
**Please visit** [www.AFESTLouis.org/Career/Career.htm](http://www.AFESTLouis.org/Career/Career.htm) to see **5 other new job postings!**

### COST REDUCTION OPPORTUNITIES FOR EXISTING BUILDINGS

**"THE BREAKFAST AND SYMPOSIUM ARE FREE. THE KNOWLEDGE IS PRICELESS"**

**DATE:** Wednesday May 8, 2002

**TIME:** 7:30 am - 11:30 am

**WHERE:** The Viking Conference Center Watson and Lindbergh Blvd.

**Our chapter president will be speaking on energy savings ideas and promoting AFE.**

[Please go online and right click here to download the details and RSVP!](#)

### It's Your Chapter, what do you want it to be?

Being an active member is not only self gratifying, but offers many other indirect rewards. We challenge all our St. Louis Chapter members to volunteer their valuable knowledge, a little bit of time, and see how AFE improves your life. (*Don*)

**St. Louis Members, please go to our web site and complete the [Members Survey](#).**

*Other Announcements pending*

### Need Help or Advice?

Please check out our new discussion area "[Chuck's Corner](#)".

Also recommended by a member... [HeatingHelp.com](http://HeatingHelp.com)

## Get Involved

host in this forum. "We wanted to do our discussion forum a little different than the others you may find on the internet. This is a Members Only, online tool to get your questions answered without getting on a mail list or having to wait weeks for your reply. [Please submit a question](#), and myself and other members will give you an answer. **Thanks Chuck**

**The latest question asked and answered...**

**Short Description:** [What would be the best lining for a hot water storage tank ?](#)

**The steering committee have a great year planned for us, as well as some tentative plans for all of 2002!**

## GOLF

Vendors: If you have interest in sponsoring a hole or any other part of our golf tournament, please contact [webmaster@afestlouis.org](mailto:webmaster@afestlouis.org)

**Please visit the online calendar at ...**

[www.afestlouis.org/Calendar/Calendar.htm](http://www.afestlouis.org/Calendar/Calendar.htm)

to see more great events AFE has in store for you.

[www.AFEStLouis.org](http://www.AFEStLouis.org)

## St. Louis Meeting :



End User's in the St. Louis Area

**[Fabick Power Systems](#) will be hosting our meeting on "Power Quality".**

**[Fabick Power Systems](#)** will also have a barbeque for this event. This event will be Tuesday (May 28, 2002 @ 5:30 P.M.) in their facility located at 101 Fabick Drive, Fenton, MO 63026.

**Our group is growing so don't miss out. Members: Don't forget your [badges!](#)**

Come and network with your St. Louis's A.F.E. Make some friends, eat, and have fun.

**[RSVPs Now](#)**

Please visit our online version of this newsletter at ...

<http://www.afestlouis.org/Newsletter/>

## In your St. Louis Chapter

### Learn, Lead, and Influence

***Frank (our Chapter President), returns from the AFE Regional meeting with ...***

**Exciting news-** that our St. Louis chapter 26 is the fastest growing chapter in region 9. Our regional director believes that our success has stemmed from our three goals, we have to have fun, be educational, and network. **Also** -with three key areas that we are going to focus development on.

- 1. Youth education.**
- 2. Membership development.**
- 3. New Membership.**

***Frank goes on to say ...***

Now that's a beautiful thing. Anyone can have all of this for about \$15.00 dollar a month.

I am proud to say that we have the best regional leadership in AFE. This is a powerful tool using our national organization to network with others.

This is why I am so excited with this type of education I will be able to lower cost for my employer.

Please give us your support and input by completing the online member survey at ...

[www.afestlouis.org/Newsletter/GetInvolved.htm](http://www.afestlouis.org/Newsletter/GetInvolved.htm)



Thru involvement you can fully experience AFE's resources to help you learn, lead, and influence. We have a lot of fun and educational events planned. Please [take part](#) in the planning and other activities. We challenge all our St. Louis Chapter members to [get involved](#), and see how AFE improves your life.

One of our own local St. Louis members is showing support and getting involved by being a speaker at FA2002! Please show your support by making plans to attend this educational event.



AFE has a Relief Fund for those Facility personnel who fell victim to the 9-11 attack. Let's set a goal for our chapter to raise at least one thousand dollars.

**Thanks to all those at the April meeting who donated to the AFE relief fund when we passed the hat around. We collected \$110 including door fees donated.**

Please forward us any creative ideas or donations.

Thanks

**[Go online to see how we are personally delivering your donations to the victims.](#)**

**St. Louis Meeting:**

for help ...

[Help finding a job](#)

[Help finding an expert](#)

[Help finding a resource](#)

[Help getting trained](#)

[Help getting certified](#)

[Help with your calculations](#)

[Help with your maintenance needs](#)

[Help with homeland security](#)

More help with files from [our download area](#) or [search our site](#)

### Call For Help

Vendors, you can support your local St. Louis Chapter, and reap great rewards by advertising on this site. We are also constantly adding fun and valuable resources to AFESTLouis.org, so please [check back](#) on the website often. Feedback on the site and the Newsletter would be very much appreciated.

Please go online and click the "[Comments](#)" button on the left. (or email [webmaster@AFESTLouis.org](mailto:webmaster@AFESTLouis.org))

Please use "[comment](#)" button on line to submit an AFE related article for the AFE St Louis newsletter.

**News Bits:** News from over 2000 sources updated every minute. Click refresh button on your browser to see latest Facilities News!

### Facilities Engineering World News

[HMA completes acquisition of two Texas facilities...](#)

[News-Press.com](#) Wed May 1 07:05:00 CDT 2002

[Grants will allow county child-care providers to spruce up facilities...](#)

[Santa Barbara News-Press](#) sub Wed May 1 03:07:00 CDT 2002

[Ethan Allen to cut 223 jobs as it closes facilities...](#)

[CNNfn](#) Tue Apr 30 14:04:00 CDT 2002

[Future can start with new facilities...](#)

[Spokesman-Review.com](#) reg Tue Apr 30 11:11:00 CDT 2002

[Pilots decry Africa's aviation facilities...](#)

[Amebo.com](#) Tue Apr 30 08:04:00 CDT 2002



### Protecting Buildings and Their Occupants From Airborne Hazards

We want to thank all the great folks at [C&R Mechanical Company](#), for hosting our meeting, providing the dinner and drinks! For those who could not make it, you can read about the tour in this news letter and online.

*We exist because of the continued support of our Sponsors. Chapter 26 thanks ALL of them for their continued support!*

### Student Chapter:

Please help our members at Southern Illinois University, by contacting [Dr. Spoerre](#) at SIU, to see what you can do to support our new student chapter.

These students are our future; let's invest a little time in our future.

### AFE National:

Members: For details, please contact your chapter or regional officers.

[Please visit our National site for More National News](#)

[www.AFE.org](http://www.AFE.org)

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## AFE-St. Louis's April Meeting

### Airborne Hazards

St. Louis Chapter 26 would like to express a special Thank You to  
 Arnold Appel - Director of Health Care Planning for C&R  
 George R. Edinger - President  
 Charles Schuermann - VP Fabrication  
 George Corey - Project Manager (George was also AFE Chapter President, last term)

along with all the great folks at *C&R Mechanical Company*, for hosting our meeting, providing the dinner and drinks!

Thanks to all those members who showed their support by attending. We look forward to seeing you again at next month's meeting. To all our guests, we hope you found this event interesting. This is just one of the many benefits of belonging to our organization. We will enjoy seeing you at the next meeting. We hope that you all join the Association for Facilities Engineering.

*Frank Kastl*

President-AFE St. Louis (Chapter 26)

### The Meeting:



Before the meeting we all met in the lounge for an excellent rib dinner, our gracious host (*C&R Mechanical Company*) provided. Frank Kastl, our Chapter President started out the meeting reporting on the AFE Regional meeting he attended in New Orleans. We all voted unanimously to donate all funds from cover charges to the AFE Relief fund. Don Fitchett gave a quick review of what the June meeting will have in store for us. (Don will be speaking on "The true cost of equipment downtime in a manufacturing facility".)

We had a PowerPoint presentation set up on a lap top that Joel Leonard (AFE National Membership Chairman) had sent us. The presentation was a biography with pictures, of the World Trade Center Facility victims and families we are supporting with the donations. Don passed around his boy's toy fire hat for donations, and we collected \$???.



### Protecting Buildings and Their Occupants From Airborne Hazards

Arnold Appel, Director of Health Care Planning for C&R was our speaker speaker this month. Arnold started out giving us a refresher on Bio Terrorism, adding his own insight and knowledge on the topic. He explained the importance of maintaining a positive pressure in your buildings.

**Tip:** If you suspect a substance to be hazardous, do not touch or move it. Stay where you are and let help come to you.

Arnold stressed the most important and first step in protecting your building occupants is to develop a plan. Arnold presented to us the resources to start planning with over 85 pages of handouts and internet resources too. Then he reviewed the resources with us.

Pertinent facts about airborne hazards was presented with a handout on Anthrax and Smallpox. The most notable source of information was a 22 page report by the U. S. Army Corps of Engineers. The American Hospital Association Chemical and Bio-terrorism Preparedness Checklist was of particular value to assessing where we are at and developing a plan.

### **Some highlights of designing your building to protect it's occupants where...**

- Elevating fresh air intakes
- Providing security for existing fresh air intakes
- Securing mechanical rooms
- Isolating entry and storage zones
- Securing exterior windows
- Single - Switch controls for sheltering in place and purging
- Vestibules

Elevating air intakes is the best method of security. Use a fence, cameras and motion detectors when on ground level air intakes. You should isolate entry areas into the building, such as the lobby, mail room, and delivery area. A separate air unit should be used for lobby, with a slight negative pressure differential to the rest of the building. Arnold points out with today's building automation, it will take very little to come up with a a single-switch control for sheltering and purging. But these countermeasures must be planed, in place and communicated before disaster strikes.

### ***A reminder of what we learned meeting with the FBI:***

*“We have to become a hard target for terrorism, especially when it comes to the air in our buildings being contaminated by bio-terrorism.”*

We also had an open discussion about filtration techniques and decontamination with UV lights. Both methods have their inadequacies and need development. We had the good fortune of having a guest who's company has done extensive UV testing. Her insight was very helpful, and educated us on some misconceptions of UV contamination. She pointed out that UV rays must contact surface directly to be effective. This is a problem in air handling coils as they cast shadows, and UV rays will not contact back surface of coils at all. Sounds like the best method of protection and decontamination is to use a combination of all the technologies presented here tonight. :>)

### **In closing, some advice from our speaker, Arnold Appel ...**

- Building leaser want to know you have a plan in place, especially corporate offices.
- Conduct a building survey
- Select a warning system
- Designate a "Protective-Action Coordinator"
- Conduct training
- Develop a protective action plan

Thanks you so much **Arnold Appel** and *C&R Mechanical Company* for the valuable information, food and drink.

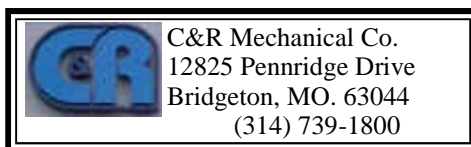
Thanks to those who attended, hope to see more of you in our engineering ranks at our next meeting.

For more information on Airborne Hazards, please click on the links below...

- [Protecting Buildings and Their Occupants from Airborne Hazards](#) October 2001 (25 pages, 287 KB PDF)
- [American Hospital Association Chemical and Bioterrorism Preparedness Checklist](#) (word doc)

This document requires [Adobe Acrobat Reader](#). Please take this link to download [Adobe Acrobat Reader](#) free of charge.

**AFE Members:** We exist because of the continued support of our Sponsors. When you have needs, please show your appreciation by contacting them.



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## AFE Chapter 26 - Serving Greater St. Louis Area, USA

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[webmaster@afestlouis.org](mailto:webmaster@afestlouis.org)



**The Association for Facilities Engineering,  
Chapter 26 serving the greater St. Louis area.**



We would like to invite ALL Engineers, as well as Maintenance Managers, and Building Energy Directors to our A.F.E. monthly meeting.

**Subject: Power Quality.**

Fabick Power Systems will be hosting our meeting on "Power Quality". Fabick will also barbeque for this event. This event will be Tuesday (May 28, 2002 @ 5:30 P.M.) in their facility located at 101 Fabick Drive, Fenton, MO 63026.

On display we will have a portable chiller unit along with portable air conditioning units. There will be a 2000 kilowatt sound attenuated portable generator with a load bank connected to the generator for live demonstrations. They will provide a live demonstration using a flywheel UPS system, generator and load bank. Caterpillar has come out with a new line of switchgear that uses touch screen technology to display and control the emergency power supply system.

Come and network with your St. Louis's A.F.E. End user's in manufacturing and building operations, this is a place where your questions can be answered by all of us working together. (*Vendors: Please bring 2 of your end users, as guest!*)

Our group is growing so don't miss out. **Members: Don't forget your *badges!***  
**Members Free! - 1st time Guest Free!**  
 (all other guest 10\$ at the door, to be donated to our AFE Relief fund.)

Frank Kastl (AFE-St Louis President) Please email [webmaster@afestlouis.org](mailto:webmaster@afestlouis.org) if you have any questions.

**Please RSVP us below...** This will reserve a seat for you and your guest.

Please print and fax this document to (314) 436-7391.

**OR**

Submit this form and have your guest submit this form on-line at ...

<http://www.afestlouis.org/MayRSVP.htm>

**Quick Directions**

From the south take I-55 N.  
 Merge onto I-270 N.  
 Take the I-44 W/US-50 W exit- exit number 5B- towards TULSA. 0.45 miles  
 Take the N HIGHWAY DR exit- exit number 275- towards SOCCER PK RD. 0.31 miles  
 Merge onto SOCCER PARK RD. 0.35 miles  
 Turn SLIGHT RIGHT onto YARNELL RD. 0.17 miles  
 Turn RIGHT onto RUDDER RD. 0.44 miles  
 Turn LEFT onto FABICK DR. 0.20 miles

The Association for Facilities Engineering (AFE) is the largest, dedicated network in the facility, maintenance, and plant operations professions. Our members advance the field and their careers using the most complete range of technical information, education, best practices, and sharing of common professional experiences.



# WELCOME TO THE 2ND ANNUAL ST LOUIS AFE FALL CLASSIC



Please join us at Sunset Lakes Golf Club on September 24th (Last Tuesday of the Month) for an afternoon of FUN and fellowship. The day will include 18-holes of golf, cart, beverages for the afternoon (and evening), pork steak dinner, attendance prizes and some friendly course competitions. All for the extremely frugal price of

**\$52 for Members**

**\$75 for Non-members**

**\$20, If you would like to just join us for dinner.**

**Please indicate the number of members and guest in your group, if multiple foursomes please fill-out one form per foursome. Individuals are welcome and will be joined up with other adventuresome souls.**

	Members		Guest
1)	_____	_____	_____
2)	_____	_____	_____
3)	_____	_____	_____
4)	_____	_____	_____



**Make checks payable to: St. Louis-AFE and Mail to Chuck Mueller  
C/O Missouri Athletic Club 405 Washington, St. Louis, MO 63102,  
must be received by September 8, 2002.**

**Interested in being a corporate sponsor for our outing,  
please contact Terry Bremer @ (314) 773-1111 ext. 261**