



# AMERICAN SOCIETY OF SAFETY ENGINEERS NORTH FLORIDA CHAPTER

MARCH 2018 NEWSLETTER

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## **Airplanes Run Out of Fuel More Often than You Think**

Do you enjoy flying places? I generally do. And up until now, I never thought about the plane that I was on running out of fuel in mid-air. But they do. And now I do, think about it

that is. Perhaps in the future you will too.

The idea of running out of fuel in a car is generally seen as an inconvenience; possibly more, depending upon the situation. However, the idea of running out of fuel in an aircraft is absolutely unthinkable, horrific even; and yet, it occurs more often than anyone might imagine.

### **It's all about managing the hydrocarbons**

According to the NTSB, better fuel management by aviators could prevent an average of 50 general aviation accidents a year.

Fuel management is the sixth leading cause of general aviation accidents in the US. Of the roughly 1,300 general aviation accidents investigated by the NTSB annually between 2011 and 2015, more than 50 in each year were attributed to fuel management issues. Of those, more than half, 56

percent, were the result of fuel exhaustion (running out of gas) while fuel starvation (where gas is present but doesn't reach the engine) accounted for 35 percent of the fuel-related accidents. Pilot error contributed to 95 percent of the fuel management related accidents; equipment issues contributed to just five percent.

### **Students, veteran pilots differ**

In data that seems counterintuitive, the NTSB notes student pilots were involved in just two percent of fuel related accidents, while general aviation pilots holding either a commercial or air transport pilot certificate were involved in 48 percent of those accidents. Pilots holding private or sport pilot certificates were involved in the remaining 50 percent of fuel related accidents.



To learn more about this topic, read the NTSB's safety alert [Flying on Empty](#).

### **ISHN Magazine**

Online Edition

August 30, 2017 Issue

[ISHN magazine August 30, 2017](#)

## **Tracing the Origins of Hearing Protection**

Modern hearing protection largely owes its existence to 20<sup>th</sup> century warfare. As unspeakable as war is, it brought attention to the problem of noise-induced hearing loss. As you might imagine, soldiers' ears were being assaulted by the clamor of loud battles long before the 20<sup>th</sup> century, but the effects of those audio onslaughts on one's ability to hear were not well understood. Still, as early as the 16th century, a French army surgeon named Ambroise Paré documented the acoustic trauma he observed in a number of the soldiers he treated.

### **Washington's hearing loss**

Many of the men who fought in the Revolutionary War, including General George

Washington, experienced hearing loss in their later years. This was quite possibly due to the tumultuous noise that they were exposed to during battles. And by the end of the American Civil War, nearly a third of Union Army soldiers had been diagnosed with some degree of hearing loss.

Although the first patent for an earplug was obtained in 1884, resistance to the use of hearing protection during warfare remained. This was largely due to a generally accepted belief that hearing loss could be prevented by developing a tolerance to noise, a notion that held steadfast into the early 20th century.

Soldiers in World War I were exposed to the sounds of new, noisier magazine and belt-fed weapons, as well as exploding shells from artillery rounds that reached noise levels of 140 dB or more. Moreover, during World War I, the sounds of war could sometimes be heard in London, some 200 miles from the front. Soldiers were also

subjected to the blasts of grenades at 164 dB, mortars at 185 dB, and gunfire from small arms at over 150 dB. The predictable result was a high rate of hearing loss. For example, records show that some 10-20 percent of soldiers who served in the French Army during WWI received pensions due to hearing-related disabilities.

### **Early earplugs**

Some new hearing protection devices did come into use during World War I, such as Mallock-Armstrong [Ear Defenders](#). These devices, distributed to the British Army, were made of tin and brass and promised to render gunfire and shell bursts harmless, while allowing ordinary sounds and conversations to be heard as usual.

A landmark study conducted in the early 1940s by U.S. Army researchers put to rest the noise-exposure-makes-your-ears-tougher theory and resulted in recommendations, although



unfortunately not requirements, that gun crews, gunnery instructors, and others who were routinely exposed to gunfire blasts be provided with hearing protection. Among the newer devices developed towards the end of World War I were the [Ear Warden](#) V-51R single-flange ear plugs. Popular with artillery crews, the V-51Rs were produced in three sizes in order to fit a wider range of ear canals, something that was quite an innovation at the time.

By the end of World War II, U.S. Army doctors were placing considerable emphasis on the need to provide aural rehabilitation for returning veterans who were eager to return to productive civilian lives. These services were provided in part by the newly re-organized Veterans Administration, and by government-sponsored aural rehabilitation programs conducted by universities that had audiology clinics.

So the next time you don your hearing protection, thank

the many veterans who sacrificed their lives, and hearing, so that we could have a better life. They deserve our respect.

#### ***ISHN Magazine***

Online Edition

August 25, 2017 Issue

[ISHN Magazine August 25, 2017](#)

### **The Wait for ISO 45001 is Over**

The long-awaited international safety management standard, ISO 45001, has reached the Final Draft International Standard (FDIS) stage. This means that comments from interested parties have been collected and are being reviewed in order to create a final document.

As you may recall, ISO 45001 is intended to replace OHSAS 18001 and shares approximately half of the language that is in ISO 14001 (environmental management) and ISO 9001 (quality management). So if you've been anxiously awaiting this standard, it's close. And if you are wondering what the

standard is all about and want to gain some knowledge on how to implement it within your organization, below are two reference websites that may help.

[ASSE.org ISO 45001](#)

[ASSE.org ISO 45001 Update](#)

#### ***Occupational Health and Safety Magazine***

February 01, 2018 Issue

[OH&S Magazine February 01, 2018](#)

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## **OSHA NEWS**

### **California Supreme Court: Employers can face civil penalties for safety violations**

The state's Supreme Court has ruled California law permits prosecutors to seek civil penalties against employers facing accusations of workplace safety violations under the California Occupational Safety and Health Act. The [ruling](#) overturns a [decision](#) made by an appellate court and revives earlier prosecution filed by the Orange County District Attorney's Office.



On Feb. 8, the court voted unanimously that the federal Occupational Safety and Health Act of 1970 does not take precedence over civil claims brought against Solus Industrial Innovations. This follows a March 2009 water heater explosion that killed two workers at a Rancho Santa Margarita manufacturing plant.

“We reiterate the strong presumption against preemption, arising both from the fact that the federal legislation addresses an area that has been the long-standing subject of state regulation and from the fact that California has assumed responsibility under the federal OSH Act to regulate worker safety and health, thereby preempting federal law,” the Supreme Court states in its opinion.

According to court documents, the California Division of Occupational Safety and Health investigated the incident and determined the explosion had been caused by a failed safety valve and the

lack of “any other suitable safety features on the heater” because of “manipulation and misuse.” Cal/OSHA found that Solus had installed a water heater designed for residential, not commercial, use. The agency charged Solus with five violations of state occupational safety and health regulations.

Cal/OSHA also forwarded investigation results to the Orange County DA Office, which in 2012 filed criminal charges against the company’s plant manager and maintenance supervisor for felony labor code violations. In a separate civil suit, the DA claimed that:

- Solus failing to comply with workplace safety standards represented “an unlawful, unfair and fraudulent business practice.”
- Solus violated California’s [Unfair Competition Law](#) and [Fair Advertising Law](#) by making “numerous false and misleading representations concerning its commitment to workplace safety and its compliance with all

applicable workplace safety standards,” attracting and retaining customers and employees as a result.

The DA sought civil penalties of up to \$2,500 per day, per employee, for the period spanning Nov. 29, 2007, through March 19, 2009. However, Solus countered that the federal OSH Act preempted state laws and the district attorney’s UCL and FAL claims, and the appellate court agreed.

The DA applauded the California Supreme Court’s reversal of the appellate court’s decision. According to court documents, the appellate court is directed to “remand the matter to the trial court for further proceedings not inconsistent” with the California Supreme Court opinion.

In a Feb. 8 press release, DA Tony Rackauckas said “This is a tragic case where two men were senselessly killed while working to provide for their families.” “We are grateful to the California Supreme Court for unanimously seeing the law



the way the Orange County District Attorney’s Office did so we can continue to keep workplaces safe.”

The U.S. Department of Labor’s Occupational Safety and Health Administration today proposed a delay in the electronic reporting compliance date of the rule, Improve Tracking of Workplace Injuries and Illnesses, from July 1, 2017, to Dec. 1, 2017. The proposed delay will allow OSHA an opportunity to further review and consider the rule.

The agency published the final rule on May 12, 2016, and has determined that a further delay of the compliance date is appropriate for the purpose of additional review into questions of law and policy. The delay will also allow OSHA to provide employers the same four-month window for submitting data that the original rule would have provided.

OSHA invites the public to comment on the proposed deadline extension. Comments may be submitted

electronically at [www.regulations.gov](http://www.regulations.gov), the Federal e-Rulemaking Portal, or by mail or facsimile. See the Federal Register notice for details. The deadline for submitting comments is July 13, 2017.

Under the Occupational Safety and Health Act of 1970, employers are responsible for providing safe and healthful workplaces for their employees. OSHA’s role is to ensure these conditions for America’s working men and women by setting and enforcing standards, and providing training, education and assistance.

For more information, visit [www.osha.gov](http://www.osha.gov).

***Safety and Health Magazine***

Online Edition

February 20, 2018 Issue

[Safety and Health Magazine February 20, 2018](#)

**Job Market Links**

[ASSE](#)

[BCSP General Safety Jobs](#)

[BCSP Construction Safety Jobs](#)

[BCSP Industrial Hygiene Jobs](#)

[EHS Careers](#)

**ASSE Chapter Links**

Find us on the web at:

[ASSE NFL](#)

Find us on Facebook at:

[ASSE NFL](#)

**Local Chapter**

**Officers and Chairs**

**Elected Officers**

- President - Steve Brown
- President Elect - Bob Dooley
- Secretary - Steve Wilson
- Treasurer - Yaniv Zagagi
- Delegate - Anne Rogers
- Delegate - Dave Bedsole

**Appointed Chairs**

- Membership Chair - Eric Gray
- Program Chair - Tom Drygas
- Newsletter Chair – Bob Dooley
- Social Chair – Ben Yancy
- SPY Awards Chair – Ben Yancy
- Social Media Chair - Vernon Adams
- Past President - Dan Hemsall



## Local Chapter Information

The North Florida Chapter of the American Society of Safety Engineers was chartered in 1952 and currently has more than 165 members.

Professional meetings are held nine times per year in the Jacksonville area. Meeting notices are distributed and RSVP's are returned by email. If you are a member of ASSE and are not receiving notices by email, please email the [secretary](#).

## Local Chapter Meeting Schedule

### March

**Date:** March 21, 2018

**Time:** 11:30 Lunch & Networking

12 Noon Meeting

**Topic:** Annual OSHA Update

**Location:** NEFSC

1725 Art Museum Drive  
Building B, Classroom D  
Jacksonville, FL 32207

### April

**Date:** April 18, 2018

**Time:** 11:30 Lunch/Networking  
12 Noon Meeting

**Topic:** Occupational Health -

**Location:** NEFSC

1725 Art Museum Drive  
Building B, Classroom D  
Jacksonville, FL 32207

### May

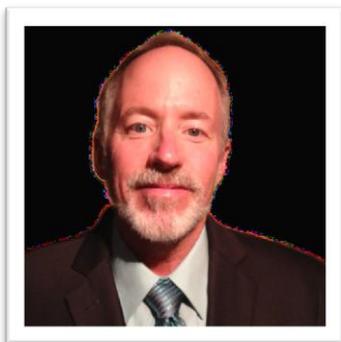
**Date:** May 16, 2018

**Time:** 11:30 Lunch/Networking  
12 Noon Tour

**Topic:** Facility Tour

**Location:** Bacardi Bottling Co.  
12200 N Main St, Jacksonville,  
FL 32218

## President's Corner



### Change

They say the only constant in life is change. I have had my fair share lately. I spent the late 6 months involved in the due diligence related to the sale of my plant to another company and then started

working on the transition to the new company. I have changed employers. ASSE is about to become ASSP. All of these changes bring stress, both the good kind and the bad kind. I look at it as if that's how I know I'm still alive! When the stress stops, it REALLY stops!

I'm excited about all these changes, especially my new employer and ASSP. Thanks to everyone who showed up to vote for the bylaws changes required to implement the new name, and to those of you who offered counsel on my job change, and the good, apparently, recommendations! 😊 I try to always look at changes as opportunities, and I believe the ASSP change will be good for the organization.

Please see my new contact information below, and while my new job will keep me from the meeting this month, I will see you in April.

Steve Brown, President

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