



AMERICAN SOCIETY OF
SAFETY PROFESSIONALS

Connecticut Valley Chapter

JULY

MONTHLY OBSERVANCES

Fireworks Safety Month
Heatstroke Prevention Month
Disaster Education Month
National Hot Dog Month
Independence Day (4th)
National Hydration Day (23rd)

Pilot Program

Rapid Oxygen is a Connecticut-based company that has launched an FDA-cleared (no prescription needed), portable safety device, the R15, that provides emergency Oxygen before EMS arrive on site. With over 7 million breathing emergencies each year, this revolutionary rapid response Oxygen technology, developed in conjunction with the University of Michigan, provides 100% Oxygen from a safe, non-pressurized box.

Rapid Oxygen is looking for up to 5 companies to participate in a program pilot. During the pilot program Rapid Oxygen will provide the R15 units for free.

Contact: Reed Abend email: reeda@rapidoxygen.com
or call: (203) 989 - 9076.

What Makes An Effective Team?

There are four common team types - which are: Functional, Cross Functional, Virtual, and Self-directed.

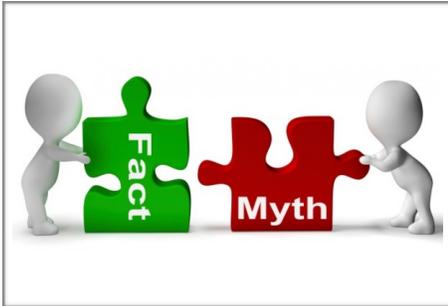
The **Functional** team is something which is related to a function. For example, you have the design function, purchasing function, etc. People from these group when they work together form a functional team.

On the other hand, **Cross Functional** Team is a team where people from different functions work towards a common goal. The members of this team could be as subject matter experts from different functions, say, for example, one person from maintenance, one person from design, one person from purchasing, one person from sales. Together they make a cross-functional team. This team is used when you're working on it improvement project which spans over a number of functions.

Virtual Team is a team which is not sitting together, which do not have a face-to-face interaction. Here we have people who were sitting in different time zones. These are people from different cultures, different language and they are working towards a common goal using the help of technology.

The fourth common type of team is the **Self-directed**





Fireworks Myths

Myth 1: Sparklers are safe for young children: False. Sparklers burn at 1,800 degrees -- that's hot enough to melt some metals. Sparklers are responsible for most fireworks-related injuries among children age 5 and younger.

Myth 2: It's safe to watch nearby fireworks if you don't light or throw them: False. Actually, bystanders are injured by fireworks just as often as the operators.

Myth 3: Consumer fireworks are safe. False. Statistics show that sparklers and firecrackers each account for 1,400 injuries to the eyes every year in the United States.

Myth 4: It's safe to pick up a fire work if it didn't go off: The fact is, even though it looks like a dud, it may still explode.

Myth 5: It's just not the 4th of July without setting off your own fireworks. The American Academy of Ophthalmology (AAO) suggests watching a professional show because it's a fun and safe way to view fireworks.

team. The self-directed team comes together on their own. These are not formally assigned to a particular project. The members of the self-directed team come together on their own with the minimum input from management. For example, they see a problem; they come together to form an informal team and work together towards that goal.

Google researchers found that the following factors contribute to effective team performance:

- Psychological safety. Team members feel safe to take risks and be vulnerable in front of each other.
- Dependability. Team members get things done on time and well.
- Structure and clarity. Team members have clear roles, plans and goals.
- Meaning. Work is personally important to team members.
- Impact. Team members think their work matters and creates change.

Safety2019: Our Donation

My name is Laura Casey. I am a member of our chapter and I also pen and edit the monthly newsletter. A huge thank you to Ed, Tim, the Chapter and all that made the donation to Nandy's experience possible.

Through GoFundMe and a generous donation by our Chapter, I raised \$1,500 towards Nandy's trip and expenses. Nandy and I work together in Ghana on the "Power Compact". The US Government has entered into a 5 year treaty with Ghana through a grant to decrease poverty through economic growth. The project is part of the US Power Africa Initiative. We are just past the Compact half-way point and construction has begun. We have 7 Bulk Supply Points to build and several thousand kilometers of lines to string - including associated poles, towers



and transformers. Part of my work includes mentoring Nandy in her budding role covering health and safety, from the owners perspective, during design and construction. Ghana does not have any safety standard or legislation relating to safety or health of workers in construction. Nandy has been diligent in learning and applying what she has learned along with her psychology degree whenever possible. I bring articles, magazines, books and videos each time I travel to Accra and I have delivered numerous trainings to the various stakeholders and plan to do again during future trips.

On Saturday June 8th I met Nandy at the conference Center at 7:15 am as I registered us for the "WISE Retreat" - Women in Safety Excellence - a full day of personal development for women in safety.



On Sunday we put up our "Poster Session" and rehearsed our presentation. The poster session was a presentation of the research that we did during the earlier part of this year and our visit and interviews conducted at Agbogbloshie. The title of the Poster Session was: Health & Safety Risks at the Agbogbloshie E-waste Dump Park in Accra, Ghana. We included several QR codes that when scanned took you to our bibliography, the Basel Convention and a couple of YouTube Videos about Agbogbloshie. We also posted a tablet with a revolving gallery of photos, most of which I took during our visit.

Health & Safety Risk Assessment of Agbogbloshie E-Waste Park in Accra, Ghana
 Laura Casey CSP, CHST, MSc. – SafeCon Solutions, LLC & Nandy Ntiamoah Walker MiDA (Millennium Development Authority)

OBJECTIVES
 The purpose of this study is to determine the direct and indirect health and safety risks associated with accumulation and exposure to electronic waste (e-waste) collected at Agbogbloshie E-Waste dump site in Ghana.

LEARNING OBJECTIVES:
 1. Describe background information of Agbogbloshie including location, history and current status.
 2. Identify and assess the categories of waste and the associated toxic substances or metals in e-waste materials found at the E-waste dump site at Agbogbloshie.
 3. Examine the health and safety risks of exposure to these toxic materials.

AGBOGBLOSHIE HISTORY
 Agbogbloshie is an urban area in Ghana's capital Accra. The area is host to an e-waste market, a metal scrap yard, an industrial area, a large slum and a household waste dump. The area is situated near the Kofi A. Annan International Conference Centre.

DUMPSITES & CONTAMINATION
 The Basel Convention is an international treaty that came into effect in 1999 forbidding developed nations from carrying out uncontrolled dumping of e-waste in less developed countries and a means to prevent the trans-frontier shipment of hazardous waste from developed to less developed countries.

RECOVERY & RECYCLING METHODS
 The next step in the recovery of intact parts and materials. Another group of entrepreneurs have developed small businesses repairing other devices and appliances by recycling the used but functioning parts. Steps can be found on these posts and trees that advertise small appliance repair or the availability of spare or used parts. No more fence or duty is required by this group of entrepreneurs.

CONTAMINATES & ROUTES OF EXPOSURE
 Routes of exposure include:
 Inhalation: Lead, Cadmium, Mercury, Polychlorinated Biphenyls (PCBs), Hexachlorocyclopentadiene (HCB), Polycyclic Aromatic Hydrocarbons (PAHs), Dioxin, Furans, Polychlorinated Dibenzofurans (PCDFs), Polychlorinated Dibenzodioxins (PCDDs), Polychlorinated Biphenyls (PCBs), Hexachlorocyclopentadiene (HCB), Polycyclic Aromatic Hydrocarbons (PAHs), Dioxin, Furans, Polychlorinated Dibenzofurans (PCDFs), Polychlorinated Dibenzodioxins (PCDDs).
 Ingestion: Lead, Cadmium, Mercury, Polychlorinated Biphenyls (PCBs), Hexachlorocyclopentadiene (HCB), Polycyclic Aromatic Hydrocarbons (PAHs), Dioxin, Furans, Polychlorinated Dibenzofurans (PCDFs), Polychlorinated Dibenzodioxins (PCDDs).
 Skin Contact: Lead, Cadmium, Mercury, Polychlorinated Biphenyls (PCBs), Hexachlorocyclopentadiene (HCB), Polycyclic Aromatic Hydrocarbons (PAHs), Dioxin, Furans, Polychlorinated Dibenzofurans (PCDFs), Polychlorinated Dibenzodioxins (PCDDs).

CROSS SECTION - CONTAMINANTS
 Workers that recycle scrap and salvage the greatest exposure rates approximately \$5 USD per day working from 6 to 6 pm, 4 days per week.

SAFETY & HEALTH CONSIDERATIONS
 There are obvious safety concerns when people are manually breaking down various electronic to generate parts that may be recycled or sold for scrap. Lack of basic PPE, no standardized processes to protect against various chemicals, and not having the correct tools for the job are just the beginning of the list of causes of safety and health issues for health, workers, and by members of the waste park, market and slum.

SOLUTIONS & CHALLENGES
 Ghana needs practical and sustainable electronic waste policies and regulations that recognize the importance of the informal repair and recycling sector. The policies and approaches need to address the health and safety of the entrepreneurs and people involved in collecting, repairing and recycling the materials.

IMAGES
 We visited Agbogbloshie in April 2019. These images were captured during our visit. Graphics/tablets are reprinted with permission or captured in the bibliography.

ACKNOWLEDGEMENTS & CONTACTS
 We would like to acknowledge the work by others and say thank you to our graphic designer (via the link: <https://www.instagram.com/afrodesigns>) for making my documentary always into the great graphics of the retreat, dumpsite and e-waste. Also, a big thank you to graphic web designer Marie Delicia-Torres for <https://www.linkedin.com/company/afrodesigns> for creating our bibliography on my web page and generating the QR codes that take you to our bibliography and our research. The contact info: Laura Casey lcasey@safecon.com and Nandy at nntiamoah@mda.gov.gh

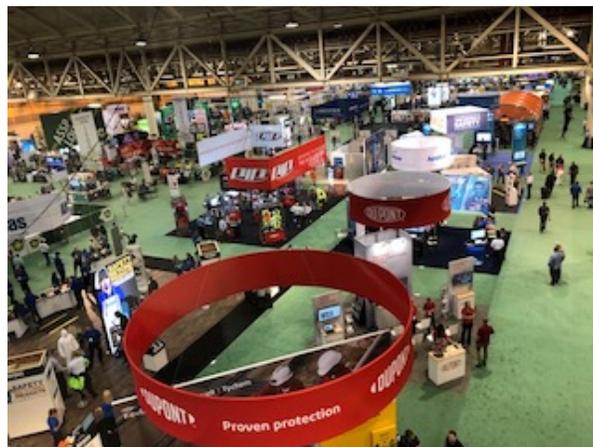


Our poster won the Blue Ribbon Grand Prize



Monday afternoon we delivered our hour long presentation entitled: Challenges in Countries Lacking SHE Laws - 2 Women's Perspectives. Ed attended our session and hung around for an introduction and photo with Nandy.

We spent the rest of our conference time through Wednesday afternoon attending concurrent breakout sessions on everything safety, health, and risk and visiting the enormous exposition hall that had more than 3000 vendors and demonstrations.



CAPTION CONTEST

The object of the contest is to write the funniest “safety related” caption to accompany the Safety Photo of the Month.

There were no entries for June and therefore no winners.

The Photo in need of a caption for July is:



Submissions should be emailed to Laura Casey and place “Caption Contest” in the subject : casey@safeconsolutions.com

Each month one winner will be chosen from the entries. At year end, we will have a voting session to allow our membership to vote and choose the best caption of the 12. The year end winner will win a prize and bragging rights. Please submit appropriate language only. Submissions have decreased - PRIZE & BRAGGING RIGHTS!!! Join Us!



The Bottom Line - By Ed Zimmer

Thank you for allowing me to serve as your President the past 12 months. Also thank you for allowing me to serve you in the same capacity for the next 12 months. We should have another year as a Gold Chapter. National determination on the status comes out late September/October....so fingers crossed.

The OSHA Summer Summit was a great success! It was another sold out year. Many kudos go out to Past President Maryanne Steele for coordinating with OSHA and UMASS, Amherst. Check the website for photos of our booth with Maryanne, Tim Healey and myself.

The Officer Transition meeting will be held on 10 July at Consumer Reports in Colchester CT. I hope you have your ticket! CR only allowed 25 attendees, so if you miss this event, be sure to attend the next Chapter meeting in mid-August. Tim Healey was instrumental in coordinating this event, so be sure to give him a "high five" when you see him.

As far as election results: most of the Officers will remain. Kevin Galotti will be President Elect, Chip Darius will be VP, Walt Tucker will remain as Treasurer. A new Secretary, Elizabeth Velky will take over from the capable Mike Stanczyk. She recently relocated from Long Island, where she served that Chapter as Secretary. Be sure to visit your website July 1st for more info on your Officers.

In mid-August, my co-workers Rob Levandoski and ASSE Past President Don Gardner will be speaking at Fuss & O'Neill in Manchester CT about amputations and guarding issues. This will be a technically based discussion with plenty of information for the Safety Professional with Guarding issues.

Late September/Early October we will be returning to Colt Mfg. in West Hartford CT. Limit of 15 to this event (per Colt). More info to come as we get into August. Watch the website and your email for more info.

Speaking of email, be sure to log onto the National site to update your contact info. If you are changing companies or are retiring, be sure to update your email and mailing address to stay current on the Newsletter and other email notices.

As usual...if you have any ideas or wish to volunteer your facility to host a meeting or tour, feel free to contact myself at edzimmer.csp@gmail.com. It seems that the lunchtime Friday events get a consistent turnout, so I would like to continue that.



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