



WORLD SAFETY ORGANIZATION Newsletter

editorialstaff@worldsafety.org

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CALL for PAPERS PAGE 10

28th WSO International Environmental & Occupational Safety & Health Professional Development Symposium

October 25–28, 2015

Solaire Resort & Casino | Manila, Philippines

The 28th WSO Symposium is for you if you are: a WSO member, community leader, professional involved in the fields of Environmental or Occupational Safety and Health, Transportation Safety, Loss Control Consulting, Hazardous Materials Management, Hazardous Waste Management, Fire Service, Construction Safety, Insurance, Workers' Compensation, and all other related fields; at the corporate, managerial, and operational level; with the community, state, or federal agencies; with private industry; or associated with an educational institution, etc.

The Symposium presentations this year will focus on "how to further improve the safety and health of workers by ensuring an accident and illness free workplace, improving their quality of life, and enabling them to have More Fun Being Safe! This important theme of the 2015 Symposium is how we learn from one another's experiences in different organizations and countries. The Symposium will focus on how to develop cooperation between different organizations and cross-disciplinary research that addresses safety promotion and injury prevention.

The Symposium will provide a unique opportunity for corporate managers and executives, safety, health & environmental professionals, advocates of safety and accident prevention, leaders of safety organizations and WSO members from around the world where the WSO is represented through the WSO International/National Offices, WSO Chapters, and individual members. The Symposium will provide a forum for information exchange, networking, professional contact with other members and safety professionals, but most of all, learning about new programs and gaining professional knowledge at sessions, panels, and workshops presented during the Symposium. The Symposium format consists of presentations, lectures, panels, workshops, and plenary sessions. As a part of the program, Symposium attendees are invited to participate in the "WSO Global Safety Round-table" discussion where the suggestions, comments, resolutions, etc., will be formatted for submission to governmental legislation and Missions of the United Nations (UN), International Labor Organization (ILO), World Health Organization (WHO), and similar rule-making groups on the local, national, and international levels.

The 2015 Symposium will address recent events that highlight some of the challenges facing the industry, such as: the growing concern with governmental regulations on safety and the environment; the high costs and financial liabilities associated with incidents; the ever-increasing number of road accidents and high fatality rates; the growing concern over security issues in industrial facilities; cyber security and information protection; the aging infrastructure and its impact on safety; and preparedness for both natural and man-made disasters.

SEE PAGES 10-13 FOR MORE DETAILS!

A Message from the CEO



Lon S. McDaniel
WSO CEO

In his opening remarks at the 2008 Emerging Trends in Scholarly Publishing™ Seminar, Gerald Lillian, CEO of Allen Press, made the following statement:

"Emerging trends and technology changes are not just affecting our publications. There is a huge impact on our societies and organizations as a whole and on our members—how to reach out, how to retain, whatever the goal may be, we need to think about the member-centric aspects of emerging trends."^[1]

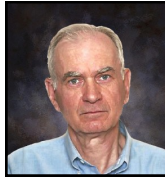
Taking note of the measurable growth that the World Safety Organization has experienced over the past few years in both membership and certifications, Mr. Lillian could have well been speaking of the WSO. Considering such factors as the perpetual growth of technology, an increasingly younger demographic, a highly mobile society, etc., the WSO must rise to meet the demands and expectations generated by this shift in global culture.

For some time, I have been looking for someone who is uniquely qualified to assist me in taking the WSO to the next level, someone who can help us navigate the ins-and-outs of meeting the needs generated by new technology and a younger membership while still keeping us mindful of meeting the needs of our long-time members, someone with the time, energy, and experience to "hit the ground running."

I am pleased to announce that I have found this individual in the person of Dr. Charles H. Baker, who will serve as Chief Operations Officer of the WSO.

Dr. Baker was born in St. Louis, Missouri. At an early age, he moved with his family to Southeast Missouri, where he spent his youth near the town of Doniphan, MO.

Upon graduation from Doniphan High School, Dr. Baker was accepted for university level study at University of Missouri, Columbia, MO. For the next several years he studied at University of Missouri, earning a BS, MS, and PhD in diverse fields, including Engineering and Agriculture. Further education included a Post-Doctoral Research and fellowship in Engineering at The Ohio State University, Columbus, OH.



Dr. Charles H. Baker
WSO COO

Following his education, Dr. Baker worked for a number of years at several large companies including Sandoz Pharmaceutical, Shell Oil, Rohm and Haas Company and Biotechnica International in positions of increasing management responsibility. During this time he had management positions in several U.S. and international locations with the last 20 years being spent in Kansas City, MO. After serving for seven years as President and CEO of Biotechnica International, a publicly traded company, Dr. Baker and a group of investors founded and developed several small start-up companies which were eventually sold to larger companies. Each of these companies was successful within chosen market areas.

For the last several years Dr. Baker has pursued a career as an independent consultant, consulting on general company management issues.

Dr. Baker has identified several goals that will become priorities over the next few months. One of these is to work with outside universities and other organizations to seek accreditation for the WSO certification process. Other goals relate to revenue and organization development as we work to take WSO to the next level.

The WSO has a very strong base of operations showing a continued history of success. With the addition of Dr. Baker in his operations role, we will continue that trend as we look forward to providing additional services and benefits for our membership.

Reference

Joanna Gillette, 2008, *Effects of the Digital Age on Society Membership*, online. Available at <http://allenpress.com/frontmatter/issue/issue-4-2008/effects-digital-age-society-membership> [June 2, 2015].

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Management's Role in Hazard Identification

Anne C. Jackson, WSO-CSE, Risk Control Consultant, RCM&D Pennsylvania Operations, Lancaster, PA

As a risk control consultant for RCM&D, Anne draws on more than thirty years of experience relative to health and safety and human resources practices. In this role, Anne is responsible for providing risk management services such as employee health, safety, and wellness program consultation, design, and implementation; safety and human resources training design and delivery; ergonomic assessments and consultation; defensive driving training; risk assessments; and post-injury management consultation. She has provided these risk control services to clients in a variety of industries, including non-profits, associations, public entities, and hospitality, real estate, retail, and manufacturing organizations. Anne is a key member of RCM&D's Education Industry Practice & Workforce Health Solutions Group. Prior to joining RCM&D, Anne worked as a senior loss control specialist for Travelers Insurance and directed health and safety programs at several Fortune 500 companies. Additionally, her human resources experience includes specialization in employee relations and training. You may read more of her articles on the RCM&D Corporate Blog: www.rcmd.com/blog.

Management teams own the responsibility of learning and applying safety standards and regulations in their workplaces and to educate all employees in same. And employees are responsible for understanding – and following – safe work practices. It shouldn't take a safety professional or even a safety committee to identify and control hazards – all employees should be empowered to do so. After all, hazard recognition and control is part of “doing the job right.” So why is it often difficult for employees – and managers – to recognize hazards? “It's not my job” and “someone else will take care of it” are dangerous assumptions we often hear with respect to hazard identification.

So, how can Management empower all employees to be “hazard identification experts”?

First, make sure rules and regulations are understood and correctly applied. There are numbers of performance standards promulgated by OSHA that are general in nature, and specifics as to their application are found in other standards, such as ANSI (American National Standards Association). A good example of this is the standard dictating that “suitable facilities for quick drenching or flushing of the eyes and body shall be provided within the work area for immediate emergency use” where there is potential exposure to “injurious corrosive materials” (29CFR1910.151c). In this case, ANSI Z358.1 is referenced for specifics as to type of facility, water temperature, location, etc.

Secondly, leverage the talents and experience of your safety professionals. Deploy them to teach others to recognize and control hazards. Don't rely on your safety pro to be “Hector the Inspector.” Spread the wealth of knowledge and involve as many employees as is practical.

Third, focus on “safe production” rather than production alone. How many charts do we see that the number of cases produced per hour, instead of including safety in the mix? Rather than a stand-alone number of days without an injury, how about the number of cases produced injury-free? Some companies translate their Workers' Compensation costs to production metrics.

Finally, there are only three opportunities to recognize hazards... before, during, and after employee exposure (when it's too late). Emphasize pre-planning, permitting, blueprint reviews, risk mapping, and new product/process/equipment reviews as means to identify hazards before employees' exposure to them. Utilize specific hazard recognition techniques, such as ten-second drills (focusing on employee behavior), out-of-sight hazards (contained

within storage places), and the two-key-question technique, as follows: the first question one asks oneself is, “Does anything look different?” For example, if there is a guard missing or a section of handrail missing, questions should be asked as to why. The second question to ask oneself is, “Could anyone be hurt?” If the answer is yes, then control and correct the hazard immediately.

Many safety professionals and managers alike are quick to identify injury causes as “unsafe acts,” when in many cases effective root causes analysis will demonstrate that management system failures are likely contributing to the so-called unsafe acts. In my experience, employees will find a way to get the job done despite the hurdles we (as managers) place in their way, such as insufficient tools, resources, or time to safely perform a task. Often managers themselves don't model safe behavior, and as such demonstrate a complete lack of commitment and leadership. Other times, managers fail to reinforce safe work practices, preferring to focus on production numbers. Finally, there could be a shrug of the shoulders while they embrace the notion of “there's risk in everything we do; it's part of the job.”

The optimum safety culture will “bake safety in” to its work practices as the “right way to get things done.” Make sure that your company is pursuing such a culture. Time spent before employee exposure to hazards is much more productive than after exposure, when an injury takes valuable time and attention away from your business and causes personal pain and aggravation to your employees. ■



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World Day for Safety and Health at Work 2015

Soji Olalokun, WSO-RSD/CSI(SL). Director and President, WSO National Office for Nigeria and Nigeria Chapter. Benin City, Edo State, Nigeria.

Tuesday, April 28, saw the United Nations Information Center (UNIC) Lagos play host to an enviable array of safety professionals, enthusiasts, and members of the public brought together by the World Safety Organization (WSO) Nigeria to mark the World Day for Safety and Health at Work 2015.

With the theme “**Join in Building a Culture of Prevention on OSH**” (*Occupational Safety and Health*), the meeting was an opportunity to bring issues of safety and health to the forefront. Members of the public from educational institutions, the medical community, government officials, employers and employees in both the public and private sectors, alongside safety practitioners, formed the audience at the program.

Welcoming guests to the program, the Director and President of WSO National Office for Nigeria and Nigeria Chapter, **Mr. Soji Olalokun** WSO-RSD/CSI(SL) said that the campaign was a result of



Mr. Soji Olalokun, fifth from left, is pictured with representatives of the event sponsors and other guests.

the organization’s vision to make safety a way of life in Nigeria. He stated that safety is and should be the paramount concern of all individuals, groups, and organizations because of the immeasurable economic and social negative impact of safety related incidents. He expressed his joy and gratitude to **Mr. Roland Kayanja** (Director), **Mr. Oluseyi Soremekun** (Information Officer), and other officers of UNIC Lagos for their partnership and participation in the program. He also took participants through the safety moment where he went through the safety features and arrangements of the venue.

Participants observed a moment of silence for those who have lost their lives or loved ones to workplace or safety related accidents.

Representatives from over 23 organizations in attendance gave goodwill messages at different times during the program, with many stating their pleasure to be at the event while also reinstating their commitment as individuals and organizations to the sustainable culture of prevention on safety related issues, while making safety a way of life in their workplaces.

The first Paper of the day was presented by the Safety Advisor of Petrolex Group, **Mr. Segun Bakare**, on the Petrolex Perspective of “Join in Building a Culture of Prevention on OSH.” The presentation captured the attention of all participants as the presenter revealed data, scenarios, and challenges in managing people to comply with safety standards in the workplace. This presentation set the pace for the quality of papers to be presented in the event.

The Director of UNIC Lagos, **Mr. Ronald Kayanja**, joined participants via Skype from Abuja to welcome guests to the center and to also present a special message by the United Nations to mark the day. He ended by wishing all present a successful deliberation.

The Managing Director of Rain Forest Limited, **Mrs Emamoke Chris Dare**, represented by the General Manager, **Mr. Emmanuel Abayowa**, also presented a Paper on their perspective of “Join in Building a Culture of Prevention on OSH,” elaborating on their operations and their passion to reduce harm in their operations.

Next was the Director of Health Safety Environment & Security (HSES), of DeltaAfrik Engineering Ltd, **Engr. Niyi Oladimeji**, WSO-CSE, his presentation on “Join in Building a Culture of Prevention on OSH” was also well received and judged as very enlightening by many participants.



Panelists (left to right): **Engr. Niyi Oladimeji**, **Mr. Adelaja Kayoko**, **Mr. Emmanuel Abayowa**, and **Dr. Nwamaka Adekoya**

After a break, a Panel Discussion was held on the topic “**The Need for Building a Sustainable Culture of Prevention in Nigeria.**” The panelists included: **Dr. Nwamaka Adekoya** (Program Manager, Trauma Care International Foundation); **Mr. Adelaja Kayoko** (C.O.O. &

Executive Director Engineering and Technical, Petrolex Group); **Mr. Emmanuel Abayowa** (General Manager, Rain Forest Ltd.); and **Engr. Niyi Oladimeji**, WSO-CSE (Director, Health Safety Environment & Security, DeltaAfrik Engineering Ltd.).

Moderated by one of the Masters of Ceremony, **Mr. Kennedy Osagie** (President & CEO, Kingsmen and Gracewards Ltd.), the Panelists had the opportunity to address the topic and reveal their ex-

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perience in the sector they each represent. They also had the opportunities to answer questions from participants on safety related issues. The interest in the panel discussion was noticeable with the several questions that participants were prepared to ask after the session.

The day was drawn to a close with the presentation of recognition to three distinguished supporters of the event: **Petrolex Group**, **Rain Forest Limited**, and **IGPES Group**. Certificates of Participation were also awarded to all attendees by the WSO Nigeria Office, led by its Director and President.

The event ended with a photo session with all segments of participants and a vote of thanks from **Mr. Soji Olalokun**, appreciating the partnership role of UNIC, Lagos (with appreciation to the Information Officer, **Mr. Oluseyi Soremekun**), supporting companies (special recognition to **Engr. Niyi Oladimeji**, WSO-CSE, Director HSES, and distinguished staff of DeltaAfrik Engineering Limited that were present)



Mr. Soji Olalokun, Director and President of WSO Nigeria, concludes the event with a vote of thanks message.

organizations (especially the event collaborative support from the Nigeria President of American Society of Safety Engineers (ASSE), **Mr. Kamil G. Abiodun**), institutions, and WSO Nigeria (officers, members, volunteers, and staff). Special appreciation for individual support went to **Mr. Kingsley Odiboh** (WSO Nigeria Vice President National Operations and member LOC), **Pastor Obehi Oyakhilome** (WSO Nigeria South-West Director and Chairman LOC), **Mr. Ronald Ekanem** (WSO Nigeria South – South Director and member LOC), **Mrs. Agharese**

Ojelede (WSO Nigeria Officer and member LOC), **Mrs. Nkiru Olalokun** (WSO Nigeria Finance Advisor and member LOC), **Mr. & Mrs. John Olalokun** (WSO Nigeria Board Member), **Mr. Daniel Edonmheaye** (WSO Institutional member & Partner), **Mr. Emmanuel Adomeh** (for facilitating the event venue and rendering free services as Co-MC), **Mr. Kennedy Osagie** (President & CEO Kingsmen and Gracewards Ltd, for rendering free event planning, scripting and as Master of Ceremony), and **Mr. Tosin Ogunji** (WSO Nigeria Staff and Facilitator).

In summary, many events and meetings were held in different locations to mark the World Day for Safety and Health at Work 2015, but none can rival the impact, relevance, and significance of the WSO Nigeria Office and UNIC Lagos jointly organized campaign. The action notes from participants will form key testimonials when the event is held again in April 2016.

Following are the names of some organizations, institutions, and individuals represented at the campaign: Lagos State Safety Commission; Petrolex Group; Rain Forest Limited; IGPES Group; Wood Group Dover PLC; NIMASA; Reddington Hospital; Arik Air; Bond FM; Kingsmen and Gracewards Ltd; DeltaAfrik Engineering Limited; ECOWAS, WAWA (West Africa Women Association); Trauma Care International Foundation; General Hospital; Apapa; CHIEF NGO; Danplus Energy Resources; ASSE (American Society of Safety Professionals) Nigeria Chapter; Save the Children International; Greensprings School, Lekki; Nigerian Red Cross Society Lagos branch; Roland Lloyd's Agencies Ltd; OHSEC (Occupational Health and Safety Empowerment Center); World Safety Organization, National Office for Nigeria & Nigeria Chapter; United Nations Information Center (UNIC), Lagos; and various Safety Professionals. ■

*For more photos, please visit the WSO website:
<http://www.worldsafety.org/chapters/activities/>*

International Conferences Endorsed by the WSO

3rd Annual HSSE Forum

May 31-June 2, 2015

Muscat, Oman

<http://hsseforum.com> | ahmed@imnbi.com | +91 888 460 0884

30th Annual APOSHO Conference

May 31-June 5, 2015

COEX Convention Center | Seoul, Korea

<http://aposhoh.org> | +82 52 703 0742

Oman Fire, Safety & Security Expo

September 14-16, 2015

Oman International Exhibition Centre | Muscat, Oman

<http://muscat-expo.com> | info@muscat-expo.com | +968 24788476

II Central Asia Health & Safety Forum in Mining

September 22-23, 2015

Moscow, Russia

www.energy.fleminggulf.com/central-asia-health-safety-forum-mining

pragya.vaid@fleminggulf.com | +971 4609 1570

Middle East Health & Safety Conference & Expo

October 25-27, 2015

Grand Hyatt Muscat | Muscat, Oman

<http://mehse.com>

info@muscat-expo.com | +968 9141 7141 (Oman)

Jagadish.kumar@nispana.com | +91 9880 442379 (International)

WSO 28th Int'l EOSH Prof. Development Symposium

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Portable Ladder Safety

Scott Masters, WSO-CSM, OHSP. Safety Manager, Wood Group Mustang, Inc./BMW Manufacturing Corp., Greer, SC, USA

When an employee needs to reach a higher work area, the equipment that will be used must be evaluated for both function and safety. While a ladder is commonly used, it might not always be the right choice for the work.

Real-Life Scenario

On September 5, 2005, a 27-year-old male construction worker was removing aluminum siding while standing on an aluminum ladder on the west side of a house he and his two coworkers were remodeling. The ladder was positioned over a cyclone gate and fence of a neighboring home. It appears that while he was removing the siding, he lost his balance and fell. One of his coworkers was carrying debris to the dumpster on east side of the home. He heard the victim moan. He returned to the victim's work location and found his coworker's midsection folded over the gate. The victim's head and legs were not touching the ground. His midsection was lying across the end cap of the gate,



which was about two inches higher than the gate's top bar. He was also lying across a small nut and bolt, which was about one inch above the top bar. The ladder he was working from was standing against the house, still positioned over the gate. The victim rolled off the gate and landed on the ground. He told his coworker to call 911. His coworker panicked and began to yell for help. A neighbor heard the calls for help and called 911. A passerby provided emergency first aid until emergency response arrived. The victim was transported to a local hospital where he was declared dead.

The cause of death as stated on the death certificate was blunt force abdominal trauma. No autopsy was performed. The results of the toxicology tests were negative for alcohol and other screened drugs.

Investigational Findings

1. The ladder was not placed at a safe angle.
2. The ladder used did not have safety feet nor was the ladder secured.
3. It appeared that the gate was being used to help support the ladder. The moveable gate was not secured against movement.

Necessary Questions

Ask these questions before deciding on a ladder:

- Will heavy items be held while on the ladder?
- Does the elevated area require a long ladder that can be unstable?

- Will work be performed at this height over an extended period of time?
- Will working on a ladder require standing sideways or reaching?
- Are there any obstructions preventing safe ladder use?

If the answer to any of these questions is "Yes," then you may need to consider using something other than a ladder. If possible, bring in other equipment such as a scissor lift or scaffolding.

Portable Ladders

Portable ladders help you access a work area or provide support while you work. Portable ladders make getting to a work area easy, but they can increase the potential for falls if not used properly. Portable ladders are versatile, economical, and easy to use; however, workers sometimes use them without thinking safety. The Bureau of Labor and Statistics reports that 20 percent of fatal falls at work occur from heights less than 15 feet (4.5 m), and 50 percent of fatal falls are from a height less than 35 feet (10.6 m).

OSHA has published requirements for using portable ladders:

- The minimum clear distance between side rails for all portable ladders must be 11.5 inches (29 cm).
- The rungs and steps of portable metal ladders must be corrugated, knurled, dimpled, coated with skid-resistant material or treated to minimize slipping.
- Non-self-supporting and self-supporting portable ladders must support at least four times the maximum intended load; extra heavy-duty type 1A metal or plastic ladders must sustain 3.3 times the maximum intended load.
- When portable ladders are used for access to an upper landing surface, the side rails must extend at least 3 feet (.9 m) above the upper landing surface. When such an extension is not possible, the ladder must be secured and a grasping device such as a grab rail must be provided to assist workers in mounting and dismounting the ladder.
- A ladder extension must not deflect under a load that would cause the ladder to slip off its supports.

Types of Portable Ladders

We use ladders to do all sorts of tasks, so it's not surprising that many types of ladders are available. Let's look at the most common types.



Straight Ladder: The most common type of portable ladder. The length cannot exceed 30 feet. It is available in wood, metal and reinforced fiberglass. It supports only one worker.

Trestle Ladder (pictured, left): These have two sections that are hinged at the top and form equal angles with the base. They are used in pairs to support planks or staging. The rungs are not used as steps. The length cannot exceed 20 feet. Photo courtesy of: us.wernerco.com.

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Tripod (Orchard) Ladder (pictured, left): These have a flared base and a single back leg that provides support on soft, uneven ground. The length cannot exceed 16 feet. Metal and reinforced fiberglass versions are available. It supports only one worker. Photo courtesy of: us.wernerco.com.

Standard Folding Ladder: Has flat steps, a hinged back and is not adjustable. Use only on firm, level surfaces. It is available in metal, wood, or reinforced fiberglass. It must have a metal spreader or locking arm and cannot exceed 20 feet. It only supports one worker.

Platform Ladder (pictured, right): It has a large stable platform near the top that supports only one worker. The length cannot exceed 20 feet. Photo courtesy of: us.wernerco.com.



Extension Ladder: Offers the most length in a general-purpose ladder. They have two or more adjustable sections. The sliding upper section must be on top of the lower section. It is made of wood, metal, or fiberglass. Maximum length depends on material and it supports only one worker.

Falls from portable ladders are one of the leading causes of occupational fatalities and injuries. Before using a ladder, read and follow all the labels and markings on the ladder. Make sure you avoid electrical hazards and look for overhead power lines before handling a ladder. Also, avoid using a metal ladder near power lines or exposed energized electrical equipment.

Here are some other general requirements:

- Ladders must also be kept in a safe condition.
- Keep the area around the top and bottom of a ladder clear. Ensure rungs, cleats, and steps are level and uniformly spaced.
- Use ladders only for their designated purpose.
- Don't tie ladders together to make longer sections.
- Don't use single rail ladders.
- Don't load ladders beyond the maximum load for which they were built.

Check, Maintain, and Store Ladders Well

Before using a ladder, a competent person must inspect the ladder for visible defects, such as broken or missing rungs. If a ladder is found to be defective, it must be immediately marked with a "Defective" sign or clearly labeled with a "Do Not Use" sign. It should then be taken from service until it is completely repaired and safe to use.

Securing Ladders

There is a significant risk of falling if portable ladders are not safely positioned each time they are used. Unsecured ladders can slip or shift due to the weight load or lack of friction between the ladder and contact points. It is very easy to lose your balance while getting on or off an unsteady ladder. Be sure to evaluate the situation; do not use a ladder on slippery surfaces unless it is secured or has slip-resistant feet.

Real-Life Scenario

On August 3, 2010 a 23-year-old male laborer was electrocuted and two co-workers were severely shocked when the 32-foot aluminum ladder that was part of a ladder platform hoist came in contact with energized overhead power lines.

The victim and the two co-workers were in the process of raising the ladder from a horizontal position on the ground to a vertical position against a building. While raising the ladder to the vertical position, the workers lost their footing and the ladder fell towards and came in contact with energized overhead power lines. Two co-workers were shocked and thrown to the ground.

The victim was electrocuted and the ladder fell to the ground landing on top of him. Once the two co-workers regained mobility, they went to assist the victim. One of the coworkers placed a call for emergency medical services (EMS) and then placed a second call to the employer. The local police arrived followed by EMS within minutes of the call. The victim was transported to a local hospital where he was pronounced dead.

Recommendations

1. Eliminate the use of conductive tools and equipment, including ladders, in proximity to energized overhead power lines.
2. Conduct job site surveys prior to the start of construction projects to identify potential hazards, such as energized overhead power lines, and implement appropriate control measures for these hazards.

Three-Point-Control vs. Three-Point-Contact

What is the difference between the three-point control method and the three-point contact method? The three-point control method requires a worker to use 3 limbs for reliable, stable support, while the three-point contact method requires a worker only depend upon 3 points of contact with the ladder. Using the stomach or palm are examples of unstable points of contact; these points of contact are unreliable and lead to a false sense of stability.

Though some argue that leaning against a surface is acceptable as a point of contact, there is a significant problem with this assumption. For example, if a worker has both feet on a ladder while resting one palm on the roof (three-point contact) they will not be able to prevent a fall if both feet were to slip.

Because the three-point contact method does not require reliable, stable support, it is not the preferred method to use when on a ladder.

On the other hand, the three-point-control method requires a worker to use three of his or her four limbs for reliable, stable support. This climbing strategy could prevent many of the ladder falls and deaths occurring throughout the



Three-Point Control Method

Continued on Next Page

United States and world. The three-point control method requires the worker to place his hand on the ladder in a way to support the full weight of the body if needed in an emergency. The breakaway force from a vertical rail is too great for a worker, male or female, to fully support their weight if only gripping with one hand. During a fall, the hand would slide down the bar until it contacts a rung on the ladder. The hand would most likely disconnect from the ladder when it collides with the rung. A vertical grip can only support approximately 50 percent of person's bodyweight.

If a worker, using the three-point control method, has both feet on the ladder and is gripping a horizontal rung (three-point control), they are much less likely to fall if both of their feet were to slip. When a worker uses a horizontal grip, it allows for about a 75 percent to 94 percent increase in breakaway force. This compares to using a vertical grip, which allows the worker to hold their bodyweight and prevent a fall.

There are seven conditions for using three-point control while working from ladders. They include:

- Work only for short periods of time
- Use light tools and materials designed for single-hand use
- Make sure the ladder is stabilized
- Keep the ladder at the lowest height possible
- Make sure belly button remains between side rails
- Keep both feet at the same level
- Maintain a horizontal one-hand grip (power grip)

Keeping three-point-control for good support is critical while a worker is climbing, moving or working at an elevation. It is important to note, the three-point control method is not a substitution for the use of fall protection equipment.

Ladder Angle

A non-self-supporting ladder should have a set-up angle of about 75 degrees — a 4:1 ratio of the ladder's working length to set-back distance.

Here's how to achieve it: Stand at the base of the ladder with your toes touching the rails. Extend your arms straight out in front of you. If the tips of your finger just touch the rung nearest your shoulder level, the angle of your ladder has a 4:1 ratio.

The National Institute for Occupational Safety and Health (NIOSH) has developed an easy-to-use interactive ladder safety application for smart phones. The NIOSH Ladder Safety application features a multimodal indicator, which uses visual and sound signals to assist the user in positioning an extension ladder at an optimal angle. Furthermore, the application provides graphic-oriented interactive reference materials, safety guidelines and checklists for extension ladder selection, inspection, accessorizing, and use. The application is intended to help a wide range of ladder users, employers, and safety professionals, with their ladder-related safety needs.

Real-Life Scenario

On January 13, 2007, a 43-year-old male carpenter was injured when he fell from a ladder that slipped away from the drip edge of a house. The victim positioned the fiberglass extension ladder diagonally across the inside corner of the roof to secure a 2-inch by 4-inch piece of wood to the fascia under the drip edge to protect the drip edge. The ladder's safety feet were in an up position



on the frozen soil. He called to his coworker to hold the ladder while he accessed the roof area. The coworker stood underneath the ladder and held rung #5 with his right hand and rung #7 with his left hand. The victim climbed the ladder holding the wood, to either rung #8 or #9 when the base of the ladder slipped away from the house. The falling ladder struck the coworker on his shoulder and arm and knocked him to the ground. The decedent fell to the coworker's left and

landed on his back. Emergency crews transported the victim to the hospital where he died six days later.

Recommendations

1. Employers should ensure that ladders are used in accordance with the requirements of existing safety standards and good standard practice.
2. Employers should develop and implement a comprehensive written safety program.
3. Construction employers should conduct a daily hazard assessment to determine if environmental working conditions have changed or will change. They should inform their employees of their findings and how the changing conditions may affect the work to be performed.
4. Employers should consider having at least one person on the jobsite certified in First Aid/CPR, should strongly consider having an individual certified as a Medical First Responder or Emergency Medical Technician (EMT), and hold at least semi-annual workplace rescue/first aid practices.

Conclusion

It is important to choose the right ladder for the right job. Using a ladder for a task that it was not designed for may increase the risk of falling.■

Additional Resources

- <https://www.osha.gov/SLTC/etools/construction/falls/4ladders.html>
- https://www.osha.gov/Publications/portable_ladder_qc.html
- <http://www.americanladderinstitute.org/?page=BasicLadderSafety>
- <http://onsafety.cpsc.gov/blog/2011/12/03/ladder-safety-101/>
- <http://www.laddersafetytraining.org/>
- https://www.osha.gov/OshDoc/data_Hurricane_Facts/portable_ladder_qc.pdf
- <https://www.osha.gov/pls/publications/publication.athruz?pType=Industry&pID=463>
- <https://www.youtube.com/watch?v=weqPwlhU7WU>

Safety for life

WSO International Office for Philippines Promotes 28th Int'l Environmental & Occupational Safety & Health Professional Development Symposium



Representatives of WSO International Office for Philippines (left to right), **Richard Cheng**, **Maimai Mamaril**, **Alfredo De La Rosa**, and **James Porter** promote the 28th WSO International EOSH Professional Development Symposium during the Workplace Advocates for Safety and Health in the Philippines, Inc. (WASPHI) Convention in Davao City, May 13-14.



Representatives of WSO International Office for Philippines attended the 30th Annual APOSHO Conference in Seoul, Korea, May 31–June 4.



A Message from Engr. Alfredo A. De La Rosa, Jr. (Director, WSO International Office for Philippines)

"The WSO 28th Annual International Environmental and Occupational Safety and Health Professional Development Symposium is promoted and aligned in the VisitPH2015 program. We look forward to our distinguished international guests not only having fun talking about safety and health but actually having fun in the Philippines by experiencing its hospitality, culture, and wonderful sceneries. Exciting activities await the participants of this year's WSO Symposium. Remember, when it comes to 'Safety...It's More Fun in the Philippines.'"

Go to **www.VisitPH2015.com** for more information!

2015 Symposium Call for Papers



Call for Papers

Using the form on the following page or downloaded from the WSO website, please submit an abstract of the paper you wish to present. All abstracts submitted will be reviewed, and authors will be notified if the paper has been accepted. Deadline for abstract submission is 5 June 2015. Upon notification of the acceptance of your paper, the completed paper must be submitted prior to 5 July 2015 for publication in the "Symposium Proceedings."

Symposium Format

The Symposium will provide a unique opportunity for the corporate managers and executives, safety, health & environmental professionals, advocates of safety and accident prevention, leaders of safety organizations and WSO members from around the world where the WSO is represented through the WSO International/ National Offices, WSO Chapters, and individual members. Participation in the Symposium will provide a forum for information exchange, networking, professional contact with other members, safety professionals, but most of all, learning about new programs and professional knowledge at sessions, panels and workshops presented during the Symposium. The Symposium format consists of presentations, lectures, panels, workshops and plenary sessions. As a part of the program, Symposium attendees are invited to participate in the "WSO Global Safety Round-table" discussion where the suggestions, comments, resolutions, etc., will be formatted for submission to governmental legislation and Missions of the United Nations (UN), International Labor Organization (ILO), World Health Organization (WHO), and similar rule-making groups on the local, national and international levels.

Speaker/Panelist Information (preliminary)

If you wish to present a professional paper at the Symposium, or if you plan to participate as a member of one of the panel sessions with only a concise presentation, it is requested that you provide a brief "Paper Outline/Abstract" for evaluation by the Symposium Organizing Committee. This preliminary evaluation is needed to prevent duplications of presentations. Please complete the "Paper Outline/Abstract" (form enclosed) and indicate the length of the paper. Most presentations will be scheduled in the morning hours. The panel sessions, as well as workshops, will be scheduled in the afternoon. If you wish to present a paper, participate in one of the panels or workshops, please indicate in the enclosed form. If you have any special suggestions for another topic (or topics) to be included, please let us know.

Manuscripts/Papers/Presentations

- Format for publication in the Symposium Proceedings: Papers should be written in concise language (English) and should be typed, double spaced, using only one side of the paper. Number the pages and leave margins (lower and upper margins 1" or 2.54cm; left and right margins 1-1/4" or 3.17cm). A separate title page should contain the title, author's full name, qualifications, and a half-page résumé, together with a complete mailing address. Please submit text composed in Microsoft Office Word (MsWord), via email attachment or copied to a USB drive and mailed to us.
- Illustrations, tables, and graphs may be submitted as black and white print. Color photos are acceptable. Type legends for any photos in double spacing on separate pages.
- Statistical data should be expressed in SIUs (Standard International Units), as far as is practicable.
- References should be cited in the text by superior numbers and a full list of references given at the end of the paper in numerical sequence. References to books should include author's surnames and initials, full title, place of publication, full name of publisher, and date of publication. References to journal articles should include author's surnames and initials, full title of article, full title of journal, date of publication, volume number, issue number, and page. The accuracy of references is the author's responsibility. Check each reference in the manuscript and again in the proofs. References should be listed on a separate page.
- Authors are responsible for ensuring that their work does not infringe on any copyright.
- If desired, editing is available at the WSO World Management Center for contributors whose first language is not English.
- Reprints: No reprints are available, unless requested. There may be a charge applicable for reprints. Please contact the WSO World Management Center. Copyright of all materials is retained by the WSO; however, requests for reprinting in other journals may be approved.
- Copies of the "Symposium Proceedings" are distributed to the Missions of the United Nations, attendees at various national and international conferences where the WSO participates, WSO National Offices, attendees of the WSO sponsored/co-sponsored seminars and courses, agencies of state/ federal/etc. governments, libraries of universities, as well as numerous societies and associations (globally).

Schedule of Dates for the Receipt of the Speaker's Documentation

- | | |
|----------------|--|
| 18 August 2015 | Completed "Paper Outline/Abstract" with indication of length of the presentation/workshop. |
| 18 August 2015 | <ul style="list-style-type: none">• Résumé/bio (100-150 words) must be enclosed if speaker is not a member of the WSO or has not previously presented a paper at one of the WSO symposiums.• Abstract: 150-200 words, double-spaced• Bio: 100-150 words, double-spaced |
| 29 August 2015 | Paper for publication in the "Symposium Proceedings," speaker's photo, and an updated bio (if needed)
Conference Registration Form and Fees must be received to confirm participation in the Symposium Program. |



Symposium Paper Outline/Abstract Form

28th International Environmental & Occupational Safety & Health Professional Development Symposium

Symposium Theme: *"It's more Fun with Safety!"*

October 25-28, 2015 • Solaire Resort & Casino | 1 ASEAN Boulevard, Entertainment City, Tambo, Parañaque City 1701 | Philippines

Speaker Information

Please print or type.

NAME	
TITLE	COMPANY/AFFILIATION
COMPLETE MAILING ADDRESS	
ADDRESS LINE 2 (if needed)	
BUSINESS PHONE	FAX
PERSONAL PHONE [] Landline [] Cell/Mobile	EMAIL

Paper Information

Please print or type.

TITLE
AUTHOR(S)
BRIEF OUTLINE: 150-200 WORDS (or you may enclose an Abstract)
BIO: 100-150 WORDS
LENGTH OF PRESENTATION (please select one) [] 20 min [] 30 min [] 45 min [] 1 hour [] Other _____ (please specify)

Based on the information received from you in the "Paper Outline/Abstract," the Symposium program will be formatted. If the length of the presentation would be in conflict with the program scheduling, you will be contacted regarding any changes.

I plan to attend the full conference: [] YES [] NO, I will attend only (please circle): Monday Tuesday Wednesday

I will be accompanied by spouse or guest: [] YES [] NO

Audio-Visual Equipment*

Please indicate which audio-visual equipment listed below you will require for your presentation:

[] Laptop Computer [] LCD Projector [] None Required

*Please note: Any additional audio-visual equipment which may be required must be paid for by the speaker.

Please forward the completed form to WSO International Office for Philippines
2nd Floor, Unit 204, Xanland Place Building, 323 Katipunan Avenue, 1108 Quezon City, Philippines
Phone (632) 709-1535, 709-1738 | Fax (632) 709-1536, 709-1737 | Email: info@wsophil.org



2015 Symposium Individual Registration Form

28th Annual WSO International Environmental & Occupational Safety & Health Professional Development Symposium
October 25-28, 2015 • Solaire Resort & Casino • 1 ASEAN Blvd, Entertainment City, Tambo Parañaque City 1701 • Philippines

Registration Procedure:

- Please complete registrant information portion of this form. • Check/tick on your registration fee and enclose payment with the registration form.
- Kindly send the completed registration form and payment on or before October 5, 2015. • Letter of confirmation will be sent to you upon receipt of your registration and payment.
- This registration form is also available for download from the WSO website: www.worldsafety.org.

Hotel Booking/Reservation:

- Symposium venue will be the Solaire Resort & Casino, Parañaque City, Philippines. The hotel has blocked rooms for Symposium participants at a discounted rate of \$170.45 (net) per night, single or double occupancy. Please contact the Solaire Resort & Casino directly at telephone (63) 2 888-8888 or fax (63) 2 883-8917 no later than August 15, 2015, to make your reservation.
- Please identify yourself as a WSO Symposium attendee upon reservation with the hotel to avail of the discounted rate. Our hotel rooms are of limited slots; thus, please make your reservation as early as possible. The hotel reservation form is available for download from the WSO website: www.worldsafety.org.

Symposium Registration Fees: Please choose desired fee (check/tick box)

PARTICULAR	Payment before July 28, 2015	Payment During the Month of August 2015	Payment after September 15, 2015	Payment On-Site (during the Symposium)
Delegate: WSO Member	<input type="checkbox"/> \$350.00 (US)	<input type="checkbox"/> \$400.00 (US)	<input type="checkbox"/> \$450.00 (US)	<input type="checkbox"/> \$500.00 (US)
Delegate: Non Member	<input type="checkbox"/> \$375.00 (US)	<input type="checkbox"/> \$425.00 (US)	<input type="checkbox"/> \$475.00 (US)	<input type="checkbox"/> \$525.00 (US)
Speaker: WSO Member	<input type="checkbox"/> \$300.00 (US)	<input type="checkbox"/> \$350.00 (US)	<input type="checkbox"/> \$400.00 (US)	<input type="checkbox"/> \$450.00 (US)
Speaker: Non Member	<input type="checkbox"/> \$350.00 (US)	<input type="checkbox"/> \$400.00 (US)	<input type="checkbox"/> \$450.00 (US)	<input type="checkbox"/> \$500.00 (US)
Other Fees:		PLEASE NOTE <ul style="list-style-type: none"> • WSO Corporate Members may avail the following discounts: <ul style="list-style-type: none"> ➢ 5% over-all on registration fee for five (5) attendees ➢ 10% over-all on registration fee for ten (10) attendees ➢ 20% over-all on registration fee for twenty (20) attendees • Registration fee includes: <ul style="list-style-type: none"> ➢ Kits, Symposium materials, and attendance of all Technical Presentations to be issued on-site. ➢ Daily snacks and lunch buffet (daily dinner not included) • All payments should be made in advance and with either US Dollar or Philippine Peso Funds. 		
WSO Awards Banquet included in the registration fee.				
Spouse/Guest Awards Banquet (per add'l person)	<input type="checkbox"/> \$45.00 (US) No. of Pax: _____			
Continuing Education Units (CEUs)	<input type="checkbox"/> \$20.00 (US) For USA Only			

Total Amount Due: \$ _____ (US) **Total Amount Due:** \$ _____ (Php)

Registrant Information: Please type or print

NAME (Last, First, Middle Initial): _____				[] Mr. [] Mrs. [] Ms. [] Dr.
AFFILIATION/COMPANY: _____				
POSITION/TITLE: _____			EMAIL: _____	
ADDRESS (Line 1): _____				[] Home [] Work
ADDRESS (Line 2): _____				
CITY: _____	STATE/PROVINCE: _____	POSTAL CODE: _____	COUNTRY: _____	
BUSINESS PHONE: _____	FAX NO: _____	MOBILE NO: _____		

Payment Method

Payment: ☐ Check No: _____ (payable to World Safety Organization) Total Amt: Php _____ Total Amt \$ _____ Bank: _____

Charge Payment to my Card: ☐ Visa ☐ MasterCard ☐ Union Pay ☐ Discover ☐ JCB ☐ Diners Club Card Number: _____

Your name as it appears on the card: _____ Expiry Date: _____ Sec. Code: _____ Signature: _____ Date: _____

Cancellation Policy

- Should you need to cancel your reservation after payment has been made, refund will be less of Administration Fee of \$50 (US) valid until July 28, 2015.
- 50% will be refunded for cancellation until August 15, 2015.
- There will be no cancellation or refund allowed after September 15, 2015. You may instead send a substitute to attend.

World Safety Organization International Office for Philippines
2nd Floor, Unit 204, Xanland Place Bldg, 323 Katipunan Ave, 1108 Quezon City
Tel Nos. (63) 2 709-1535, (63) 2 709-1738 | Fax No. (63) 2 709-1737
Email: info@wsophil.org

World Safety Organization – World Management Center
PO Box 518, Warrensburg, MO 64093 USA
Tel No. (660) 747-3132 | Fax No. (660) 747-2647
Email: info@worldsafety.org | Web: www.worldsafety.org

Room Reservation Form

28th Annual WSO International Environmental & Occupational Safety & Health Professional Development Symposium
October 25-28, 2015 • Solaire Resort & Casino • 1 ASEAN Blvd, Entertainment City, Tambo Parañaque City 1701 • Philippines

BOOKING CONTACT

Please completely fill in and email/fax the form to the attention of "Reservations."
Tel: (63) 2-888-8888 | Fax: (63) 2-883-8917 | Email: reservations@solaireresort.com

SURNAME:		FIRST NAME:	
JOB TITLE:			
COMPANY NAME:			
COUNTRY:			
TELEPHONE NUMBER:		FACSIMILE NUMBER:	
E-MAIL ADDRESS:			
PASSPORT NUMBER:	EXP. DATE:	NATIONALITY:	

ARRIVAL DATE:	DEPARTURE DATE:
ARRIVAL FLIGHT/TIME:	DEPARTURE FLIGHT/TIME:

ROOM CATEGORIES

- **Deluxe City View:** Single/Double: Php 7,500.00 net/night (\$175.00 USD)
- **Deluxe Bay View:** Single/Double: Php 8,000.00 net/night (\$197.00 USD)
- **Grand Deluxe Room:** Single/Double: Php 10,500.00 net/night (\$245.00 USD)
- **Sky Studio Suite:** Single/Double: Php 13,500.00 net/night (\$313.00 USD)

***USD exchange rate may vary depending on the room posting upon check-in/arrival*

- All rates are net of taxes.
- Inclusive of buffet breakfast at "Fresh" for two persons.
- Inclusive of wi-fi internet connection and complimentary local calls.
- Add'l person will be charged at Php2,000.00 (\$46.00 USD) net/day.
- The standard check-in time is 3:00 p.m., and check-out time is 12:00 noon.
- Valid credit card details are required to guarantee the booking.

SMOKER [] NON-SMOKER []	BEDDING REQUIREMENT: (Subject to Availability)
TRANSFER BY MERCEDES BENZ: Not required [] / Arrival [] / Departure [] / Round-trip [] (*PHP 3,250 net – ONE WAY)	
TRANSFER BY TOYOTA ALPHARD: Not required [] / Arrival [] / Departure [] / Round-trip [] (*PHP 2,860 net – ONE WAY)	

CREDIT CARD HOLDER'S NAME:	
CREDIT CARD: AMEX [] VISA [] MASTERCARD [] DINERS CLUB [] JCB []	
CREDIT CARD NUMBER:	EXPIRATION DATE:
CARD HOLDER'S SIGNATURE:	



paul@psassociatesinc.com | www.psassociatesinc.com | www/facebook.com/PaulShrenkerAssociatesInc

Following is a list of some of the available job openings in the Environmental, Health and Safety area that I am working on. Should you know of anyone that might be interested in learning more about these positions please have them contact me, Paul Shrenker, directly; or, feel free to contact me yourself, and I will give you more details. My phone number is 413-267-4271; email address, paul@psassociatesinc.com and fax 413-267-4287. All searches and candidate conversations are held in strictest confidence and no résumé will be mass distributed. Finder's fees paid for candidate referrals on all positions; please contact for info.

Health, Safety and Security Leader

Eastern Pennsylvania

Job Description—Champions and leads Monroe Energy's HSS Program developing strategic plans, safety processes, and driving improvement programs across multi-functional teams; manages the development of HSS standards and procedures to include identification of standards for development, prioritization of standards development, developing the standards, managing the review and comment period, and the issuance of the final standard so that there is consistent application and understanding of the standard; leads the HSS Team's Subject Matter Experts (SMEs), to facilitate discussions on safety, health, & security issues, establish and share internal and external best practices and drive continuous improvement programs to ensure compliance with all regulations; keeps current with emerging HSS issues and the direction of the regulatory authorities advising Senior Leaders on potential impacts; communicates and interfaces with personnel from regulatory agencies, including OSHA and USCG; establishes audit processes to ensure that Trainer& MIPC are achieving compliance with company and regulatory requirements, and continuous improvement across the Safety Management System; working with the Capital Project Teams establishes stage gate processes to highlight potential safety issues and works to mitigate the issues; drives safety into the natural work processes of the various facilities teams; provides oversight of the safety action tracking system to ensure that key actions are acted upon and managed through to completion. **Qualifications**—10+ years safety leadership experience some of which must be in a high-risk industry such as refining, petrochemical, or chemical processing, BS Safety, Engineering or related, and plusses would include a certification (CSP) would be plusses.

EHS&S Manager

Buffalo, NY area

Our client, with over 1,500 employees and 10 plants in North America, is one of the world's leading manufacturers of caustic soda, bleach and related chemicals.

Job Description—Working within corporate/division strategies and policy frameworks, designs, proposes and implements health, security, safety, process safety and environmental site action plans, strategies, guidelines and procedures within broad principles and policies set by the organization to meet EHS&S requirements supporting short and long-term business needs and consistent with the site Risk Profile; ensures that Guiding Principles of Responsible Care are the basis of the location's EHS&S Management System and that the criteria required of Responsible Care are met; ensures the site Responsible Care team provides technical EHS&S expertise and coaching to facilitate

broad accountability of the EHS&S process; drives programs for overall employee engagement in Responsible Care at the site; ensures site Responsible Care continuous improvement, including the consideration of sustainability, energy efficiency and waste minimization; ensures department's budget on the basis of operational needs, identifying the resources required to meet such needs; prepares governmental reports and participates in representation with outside agencies; participates in plant and Division audits and interfaces with internal and external auditors and regulatory and government agency personnel; collaborates with employees and supervisors to identify and correct potential environmental, safety, security and health hazards. **Qualifications**—Bachelor's Degree; technical or management discipline strongly preferred, Master's Degree preferred; minimum 8 years related Safety, Health, Security and Environmental experience in a manufacturing environment; prior chemical industry experience highly preferred; ability to offer guidance on all aspects of Safety, Health, Security and Environmental issues; effective leadership skills and the ability to develop Safety, Health, Security and Environmental staff required; behavior-based safety processes knowledge preferred; knowledge of PSM, DOT and hazardous transportation regulations.

Environmental Compliance Manager

Boston, MA area

Our client company was founded over 100 years ago and has become one of the world's leading diversified manufacturers of specialized industrial equipment, consumables, and related service businesses having approximately 49,000 employees worldwide. This position is for one of their smaller divisions, which is a chemical manufacturer.

Job Description—Keeping up to date on compliance issues concerning local, state, and national regulations and implements the appropriate policies and procedures. Conducts audits to ensure that organizational and governmental standards on environmental health and safety are met. Provides support to management by keeping them informed, thus allowing sound business decisions; oversees the analysis and evaluation of air, water, and land systems to determine if pollutants are present and directs the implementation of appropriate corrective action, if necessary. Evaluates operations and makes recommendations to reduce waste or pollution; appropriates and analyzes data for the submission of reports to maintain compliance with FM, NFPA, DOT, OSHA, DEP, Title-V, Air Registration, Hazardous Waste (LQG), SARA 312/311 Tier II, South Coast AQMD (Product Reports), Waste Water Discharge, SWPPP, SARA 313 (TRI), TURP, MACT 5H, MACT 4F, other MACT as Needed, GHG, RAO and EPA

regulations. This position reports to the Operations Manager and currently has no direct reports though it is anticipated that a health and safety manager will report to this position in the future. This person will have responsibility over two plants, one of which is in Florida. Travel will be up to 30% but likely significantly less. **Qualifications**—B.S. degree in Environmental Science, Safety, Industrial Hygiene, Chemistry, Biology or related field, 7+ years environmental experience, thorough knowledge of hazardous materials management, experience with management systems is a plus. Relocation assistance is not available for this position.

Senior EHS Analyst

Akron, OH area

Our client manufactures some of the cleanest alloy steels in the world to advance critical products in demanding applications and supply chains.

Job Description—The Senior Environmental Health and Safety (EH&S) Analyst, will lead the EH&S systems at the plant and serve as the plant expert in environmental, health & safety systems, regulations and requirements. This position will also provide direction, expertise, and leadership to ensure the plant meets the minimum standards of local, state, federal regulations, and certification programs (ISO-14001) relating to environmental, health & safety (OSHA, EPA, et al). Some key responsibilities include: Hold the operations management team accountable for achieving EH&S goals and objectives by serving as a driver/influencer; provide information and analysis to all levels of the management team to identify strengths, weaknesses, and opportunities for improvement in the EH&S management systems; maintain all necessary compliance systems and related documentation to ensure compliance with local, state, and federal EH&S regulations and business standards and certifications, including ISO-14001 certification and OHSAS 18001 conformance; lead and facilitate teams to investigate all EH&S significant incidents occurring in the plant using root cause problem solving techniques to determine required ICARs/corrective actions and ensure the completion of the same. **Qualifications**—Associate's degree in EH&S, Engineering, Business, Psychology, or related with 7+ years of relevant experience, including knowledge/exposure to manufacturing operations, or Bachelor's degree in Environmental Management, Engineering, Science, or related with 5+ years of relevant experience, including specific knowledge/exposure to manufacturing operations; proven competency in root cause problem solving techniques; ability to interpret environmental regulations and develop tools/programs to ensure compliance; working knowledge of ISO 14001; experience delivering

Continued on Next Page

training to large groups. Pluses include Master's degree and CSP certification.

Corporate Environmental Manager

Akron, OH area

Our client manufactures some of the cleanest alloy steels in the world to advance critical products in demanding applications and supply chains.

Job Description—This position's responsibilities include: Develop, monitor and assess plant environmental metrics. Present metrics with an assessment of plant environmental performance with actions to drive improvement in performance; establish/maintain an environmental management system in accordance with ISO 14001 that will drive the business to a position of industry environmental leadership and continually improve our performance. Provide or facilitate and manage annual system audits. Drive integration of objectives into the business planning and management process; provide environmental, health and safety compliance audits of plants to assess compliance with laws, regulations and company standards, ensuring that the action plans that are developed as a result of the audits are implemented in a timely and sustainable manner; assess environmental issues associated with acquisitions, dispositions and closures which entails identifying and defining potential environmental liabilities, estimating associated costs, and making recommendations as to how such issues should be handled, and then directing the implementation of the recommendations; actively participate in industry association environmental committees to effect fair and equitable legislation and regulations by obtaining and evaluating information on future environmental management practices and programs. This includes providing guidance to the Vice President of Operations; provide environmental expertise to and improve awareness in business and with employees and contractors to help them become more aware of the objective of the business EHS Policy. This involves the development of awareness and training programs and oversight of such programs, advising on plant and equipment design and design of operations, and continually devising and implementing environmental awareness initiatives to create and maintain management and employee awareness; provide guidance to manufacturing sites on permit and regulatory requirements; work with manufacturing sites and agencies on permit requests and modifications; represent the company in regulatory matters. **Qualifications**—Bachelor's degree in Environmental Science or related field and at least 10 years experience. Master's degree or MBA preferred.

Environmental, Health & Safety Director

Los Angeles, CA area

Our client is an advanced technology privately held manufacturer and service company with approximately 3000 employees in 12 locations in the U.S.

Job Description—Some of the job responsibilities include: Maintain necessary environmental and safety compliance whilst supporting manifest schedule and new product introduction; develop and implement strategies and programs within the organization in order to promote a safe workplace and a reduction in incidents; develop and implement strategies to create a more efficient, higher level of Safety and Environmental compliance; be able to effectively manage and delegate tasks to keep the team on point, with a manageable workload; work directly with our internal and

external customers and suppliers to continually improve compliance and results; implement innovative solutions to ensure super-efficient and effective application of corporate and regulatory standards, control systems and procedures. **Qualifications**: A bachelor's degree in safety engineering, safety management, occupational environment health, industrial health or related field, 10 years experience and knowledge of environmental health and safety in a complex multi-site manufacturing/construction, knowledgeable in Federal, State and local Environmental regulations and their impact on the client's industry, experience and knowledge of the workings and requirements of government agencies and contracts, demonstrable history of achieving significant improvement of safety in a multi-site organization., experience with handling, storage, response and recovery of exotic materials, chemicals, ordinance and Hazardous Operations.

Corporate Manager Construction and Manufacturing Safety

Hartford, CT/Springfield, MA area

Our client is a worldwide leading Contractor in the engineering, project management, manufacturing and installation of architectural envelopes and interior systems.

Job Description—The Construction & Manufacturing Safety Manager will have responsibility for all Safety activities on site and in all production facilities. This position will have responsibility to manage site location safety which will require managing a team of individuals in remote locations. This role will be accountable for establishing policies and procedures, safety compliance and developing and maintaining Safety programs and initiatives consistent with the strategic plan for the company. He/she will be expected to add value to the organization by functioning as a true business partner and demonstrating his/her broad expertise and leadership in all areas of Safety not limited to, training, site location management, claims management, legal compliance, policy and procedures, building third party relationships. **Qualifications**—Construction site operations experience, minimum 10 years construction safety related experience, experience with construction job-site activities, experience with specific challenges posed by the nature of the construction job-site activities: access systems, lifting systems, crane and derricks, fall safety protection, and previous experience in direct supervision of Health and Safety issues along with administration programs such as Safety Training, Risk Analysis, Incident Investigations, Root Cause Analysis, and OSHA related issues (including but not limited to audits), BS degree/Master's degree preferred, and certification (CSP, CHST).

EHS&S Specialist

Buffalo, NY area

Our client, with over 1,500 employees and 10 plants in North America, is one of the world's leading manufacturers of caustic soda, bleach and related chemicals.

Job Description—Some of the job responsibilities include: working within corporate/division strategies and policy frameworks, designs, proposes and implements health, safety, process safety and environmental guidelines and procedures within broad principles and policies set by the organization to meet EHS&S requirements supporting short and long-term business needs and consistent with the EHS&S Risk of the location; ensures that Responsible Care criteria

requirements are met; provides technical EHS&S expertise and coaching to facilitate broad accountability of the EHS&S process; provides targeted assistance to support site and organizational EHS&S action plans; prepares governmental reports and participates in representation with outside agencies; participates in plant audits and interfaces with internal and external auditors and regulatory and government agency personnel; collaborates with employees and supervisors to identify and correct potential environmental, safety, security and health hazards; participates in developing corrective measures and driving actions to completion and sustainment; investigates accidents or problem areas (manufacturing, logistics, etc.) and recommends future preventive measures; represents the organization at external forums. **Qualifications**—Bachelor's Degree; Environmental, Safety or related discipline strongly preferred; Master's Degree preferred; minimum 5 years related Safety, Health and Environmental experience in a manufacturing environment including chemical manufacturing. The client is looking for someone with the qualifications that they can promote to the manager's level within the next 12-24 months.

EHS Manager

New York City area

Our client is one of the largest HVAC distributors on the East Coast. They provide HVAC supplies from Baltimore to Boston, supported by 17 branch locations and their main distribution center in NYC.

Job Description—Some of the job responsibilities include: ES&H assessments, ergonomic improvements/issues, safety equipment selection, safety awareness, joint health and safety committee mentoring, and ES&H training; conducts Risk Analysis and coordinates actions to remove or mitigate at assigned locations; training employees in the DC and branches on safe work practices (including forklift training); reviews all Injury and Incident investigation analysis and follows-up, as necessary; maintaining safety records and conducting safety audits at the branch and DC level; implements ES&H corporate programs at assigned locations; executes injury loss evaluations and recommends solutions to avoid repeated incidents; facilitates return to work programs for injured employees; liaises and supports third party audits (i.e. Property Insurance Carriers) and develops responses to address identified concerns. **Qualifications**—2-5 years experience developing and implementing safety programs in a manufacturing and/or distribution environment; BS degree in safety or related. This position reports to the VP Operations. Relocation assistance is not available.

Following are some positions that I cannot post. If you require additional info please contact me. **Environmental Manager**, MN; **Safety Coordinator**, OH, KS and NV; **Safety Manager**, KS; **Safety and Training Supervisor**, MN; **Environmental Engineer**, IA; **EHS&S Manager**, NC; **EHS Specialist**, SC; **Safety Manager**, MA; **Environmental Group Manager**, CA. Contact me for more information.

Positions are added weekly. If you or someone you know would like to be informed of future job opportunities as they become available, please forward name and email address to: paul@psassociatesinc.com.

Share your Knowledge and Experience!

REQUEST for MANUSCRIPTS and ARTICLES for PUBLICATION

Are you working on any interesting special projects? Have you attended a meeting or conference and learned something new? Have you encountered a problem and come up with a unique solution? If these scenarios (and countless others) apply to you, the WSO has just the platform through which you can share your knowledge and experience.

We are requesting submissions of manuscripts and articles for publication in WSO News-Letters and World Safety Journals. Contributions in English are always welcome and should be sent via e-mail to: editorialstaff@worldsafety.org. You may also mail to the **WSO World Management Center** located at: **PO Box 518, Warrensburg, MO 64093 USA**.

For the World Safety Journal, only articles with original material are accepted for consideration with the understanding that, except for abstracts, no part of the data has been published, or will be submitted for publication elsewhere before appearing in the World Safety Journal. Authors are required to assign copyright to WSO WORLD MANAGEMENT CENTER when their article is accepted for publication.

Instructions for Contributors

Articles should be less than 2000 words and carry an abstract of no more than 150 words, stating the key points of the material. Supply brief details of author's professional qualifications, current position and employer.

- Short communications are short reports without headings, contacting less than 1000 words. Photographs and/or diagrams may be included.
- Letters should not exceed 300 words.
- Conferences/seminars/courses: Details supplied for publication should include date, time, location, subject, content, and contact person(s).

Remember...without Member contributions, there's nothing worth publishing!



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