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#### Volume 17 | Issue 3

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# Of/the Turning Point

This newsletter is to inform you of recent changes and trends regarding health and safety. The Turning Point is a monthly newsletter covering topics from various industries and sectors. The Turning Point will respond to your inquiries and inform you of current services and updates regarding Raising the Standard Consulting Inc.

# could this happen AT YOUR WORKPLACE?

## Contract Worker Dies at Goodyear's Topeka Plant

TOPEKA, KC - In James Lay Jr., a 61-year-old contract worker, was fatally injured at Goodyear Tire & Rubber Co's Topeka, Kan. manufacturing facility on Tuesday, March 15.

Kansas Personnel Services Inc., the staffing agency that employed Lay, and Goodyear have not provided a full written statement, but OSHA investigators already were on the scene to determine what happened.

An object fell and struck Lay on the head, causing a fatal injury, Lay's wife told local news outlet KSNT. These are the only details currently available about the incident. The fatality comes just weeks after Goodyear Tire reached a settlement with OSHA after four fatalities occurred at its Danville, Va. plant over the course of a year. The company agreed to pay \$1.75 million in penalties and overhaul its health and safety program as a result of those worker deaths.

Retrieved from: http://ehstoday.com/safety/contract-worker-dies-goodyear-s-topeka-plant

# ALLEVIATING **RISK FROM**

Head and face protection begins with hard hats. An OSHA enforcement action1 just two weeks into 2017 illustrates why it doesn't end there. OSHA cited a Massachusetts auto parts company for more than a dozen serious violations and issued \$27,157 in proposed penalties after an employee suffered fatal head injuries while trying to mount a multi-piece rim wheel on a vehicle in October 2016. The case involved much more than PPE alone—there were violations2 of training, personal protective equipment, electrical safety, exit route signage, powered industrial truck, and HazCom regulations, according to the agency's Braintree, Mass., office.

Last year, the International Safety Equipment Association announced some of its member companies were at work on the first industry consensus standard establishing minimum design, performance, and labeling requirements for products that prevent dropped objects incidents in industrial and occupational settings. That's significant because the Bureau of Labor Statistics reported 240 deaths in 2014 from being struck by a falling object or equipment, "which accounted for approximately five percent of all workplace fatalities," the International Safety Equipment Association (ISEA) noted.

May 2017

The 2016 Edition of the National Safety Council's indispensable "Injury Facts" publication informs us that head and neck injuries accounted for 12 percent of the injury-related emergency department visits in 2011 in the United States, and that head/ central nervous system injuries were the most costly workers' compensation claims in 2012-2013. The average total costs incurred for them in that period were \$78,183, more than double the average for all claims of \$37,738, according to the 2016 Edition.

This fact book also shows how often falls to a lower level and same-level falls result in head injuries. There were 2,470 cases of head injuries from falls to a lower level in 2013 that resulted in lost time and 9,420 cases of same-level falls that year that ca used days away from work.

Overall, it reports, there were 69,680 occupational head injuries involving days away from work in private industry during 2013, or 7.5 percent of the total private-sector nonfatal occupational injuries and illnesses involving days away from work that year. Construction head injuries accounted for 5,730 of those 69,680 injuries.

#### Colorado Releases Jana Workplace Health and Safety Guide

Colorado's Department of Public Health and Environment (CDPHE) has issued a new document detailing how marijuana growers successfully can create and manage a health and safety program in response to the state's growing industry. The "Guide to Worker Safety and Health in the Marijuana Industry" provides an outline for businesses based on existing rules and regulations from national and federal agencies including OSHA, ANSI, NIOSH and the EPA in an effort to assist them with creating an effective occupational health and safety program.

"The complicated nature of the hazards present in the marijuana industry highlights the need for careful attention to safety and health at all types of marijuana businesses," the guide says.

#### **BIOLOGICAL HAZARDS**

Among the specific issues addressed are the biological hazards employees might face including molds, dermal allergens and respiratory allergens.

Just as in any horticulture operation, the state suggests moisture and dampness control, exhaust ventilation, engineering controls and proper personal protective equipment to reduce worker exposure.

During the marijuana growing process, humidity could reach 70 percent, which could cause substantial mold growth if the correct steps are not taken, the guide says. The document cites previous studies completed of illegal indoor growing operations in which elevated levels of airborne mold spores were discovered during the law enforcement removal process.

The marijuana plant could cause allergic reactions, hypersensitivity and anaphylaxis if exposure occurs. The agency recommends the following best practice to alleviate the risk:

- Engineering controls such as local ventilation can assist in controlling airborne exposures to dusts, chemical mists or vapors.
- Exposure controls at the worker level include work scheduling, job rotation, and worker training. • Determine if direct contact with plants can be controlled first by the above mentioned elimination, engineering, or administrative controls.
- Conduct a PPE assessment to determine the need for respiratory protection, skin and eye protection or protective clothing.

Workers in the industry also could be exposed to chemical hazards including carbon dioxide, carbon monoxide, pesticides and various organic compounds. CDPHE recommends installing monitoring devices to monitor air quality, establishing maintenance program and providing applicable PPE such as respirators.

With pesticides, companies should have knowledge about the latest EPA guidelines such as the EPA's Agricultural Worker Protection Standard. The rule requires employers must do the following:

- Provide protections to workers and handlers from potential pesticide exposure;
- Provide training on the safe use of pesticides;
- · Provide training on how to avoid exposures to pesticides;
- Must be able to identify pesticides exposure symptoms and how to respond and manage exposures to pesticides if they occur

Lastly, certain nutrients and corrosive chemicals used in the growing process can destroy exposed body tissues and even metal, according to CDPHE.

The use of safety data sheets and ventilation systems are outlined in the best practices. In addition, special caution should be taken to segregate acids and store corrosives correctly. NIOSH, OSHA and the Resource Conservation and Recovery Act (RCRA) were used to complete the best practices for these specific guidelines.



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#### PHYSICAL HAZARDS

The marijuana industry faces a number of physical hazards much like construction or manufacturing.

Workers at growing facilities could be exposed to compressed gases, specific occupational injuries such as sharp objects, ergonomic hazards, workplace violence; slips, trips or falls and confined spaces, just to name a few.

The guide outlines properly storing gases, utilizing safety data sheets, developing first-aid plans and ensuring employees are educated about what to do should an injury occur.

Electrical hazards are more commonplace in marijuana facilities because of the amount of light needed in the growing process. An electric safety program strongly is urged, and the following elements should be considered:

- Bonding and grounding
- Overcurrent protection
- Installation in wet locations

 Distribution panels and rooms Electrical guarding

- Working on or near live parts.
- Flexible cords and cables

Lastly, UV radiation is a risk explicit to marijuana growers. Metal halide lights, which contain an arc tube similar to a welder's arc, are used at many greenhouses and facilities.

"This arc emits intense UV radiation along with visible light. Normally the outer glass bulb reduces the ultraviolet (UV) radiation to nominal levels, but, if the outer bulb is broken, UV levels can be significant enough to cause photokeratitis," the guide explains. Photokeratitis, a painful eye condition, could be prevented with immediate replacement of broken metal halide bulbs. Other best practices outlined in the document include:

- Consider substituting metal halide lights with safer alternative lighting.
- Always operate metal halide and high-pressure sodium discharge lamps with the compatible ballast, rated fixture (open/closed, wattage), and socket.
- Provide and require the use of the appropriate PPE (glasses or goggles) for employees who work in intense lighting areas. Ensure that eye protection is rated for the UV wavelength that is being used.
- Ensure that safe electrical practices are used when changing out light bulbs. Electrical system work should only be performed by a qualified or certified person.
- Proper lockout/tagout procedures should be used when work is done on any system that may contain electrical energy. · Appropriate fall protection measures should be taken when bulbs are changed while working at heights.

Retrieved from: http://ehstoday.com/osha/colorado-releases-marijuana-workplace-health-and-safety-guide



### The Need for a Code of Ethics for Emergency Managers

By: David Etkin (Faculty, Disaster and Emergency Management Program at York University)

One does not have to look far to see a myriad of codes of ethics; they abound amongst almost all professions and many institutions, examples being physicians, nurses, accountants, the Red Cross, The Association of Professional Engineers of Ontario, and so on. Some codes are very prescriptive (such as the FEMA Code of Ethics), mainly consisting of 'do nots', while others are more aspirational, encouraging people to strive towards lofty goals. Both are important. Prescriptive codes (see Figure 1 for an example) emphasize rules of conduct, prohibitions, are enforceable, and address minimal standards. Aspirational codes (such as 'honour thy mother and father') incorporate goals that are less enforceable, but rather emphasize standards towards which one should strive.

The profession of emergency management (EM) is notable by the absence of a well-developed and universally accepted professional code of ethics. In fact, its absence makes it difficult for emergency management to be called a profession. The International Association of Emergency Managers has published a short code, but it is rather ad hoc and not well developed compared to many other codes; it is, though, a worthy beginning.

## Codes of ethics help make sure we do the right thing, particularly with respect to:

- 0 **Behaviors**
- 0 Standards
- 0 Benchmarks
- -Occupational identity
- 0 Consistency of policy and procedures

### hey also help

Developing a code of ethics is not straightforward. Th are potential problems with them (Betthor, 2007)

- D

In my opinion another serious issue that is a barrier to codes being effective is a lack of reciprocal obligations between individual professionals and the organizations within which they work. It is common for institutions to treat people as things instead of moral beings of worth (Etkin and Timmerman, 2013), and this can create serious ethical tensions for those who work within this kind of culture. If organizations do not have codes of ethics that they must adhere to, then it can be extremely difficult for individuals to be supported in ethical behaviors and decision making.

At the 2015 FEMA higher education conference I presented at a session where l argued for the need of a more comprehensive code of ethics for emergency managers. Since that time, myself and three American academics[1] have been working on a suite of 3 papers to push this agenda forward, and we are organizing another workshop session at the 2016 FEMA higher education conference this June. We hope to galvanize enough people who are interested in working on this issue, to make it a reality. The process to accomplish this must be inclusive and can include input via surveys, discussion papers, workshops, focus groups and other forms of engagement. It is a process of striving for consensus. This is not an easy task, given the variation of opinions that is bound to occur. And there are risks - a political process of consensus building can result in regression to meaninglessness, and there is no point having a code of ethics that sounds nice but accomplishes little or nothing in a practical way. A successful process requires a champion, institutional support, and a professional culture that values it.

What would an EM Code of Ethics look like? There are many other codes out there, and a number of them provide useful examples. But I believe that an EM code can and should become more thorough and robust than most of the other codes, by explicitly discussing various ethical theories and their relevance, by stating professional values, by discussing ethical issues unique to EM, by providing templates for the resolution of ethical dilemmas, and by providing a set of case studies that show ethical decision making at work to be the relative of a dead victim and solicited money via Facebook and other sources.

An example of a discussion that needs to be had is with respect to the set of obligations emergency managers have to different individuals and groups of people. This includes obligations to self, the employer, the moral community we serve, clients, the institutions we work for, and partners. As well there may be groups for which there are special obligations or duty of care, such as wards of the state, the disabled, people who are especially vulnerable, and EM volunteers / workers. At times there are bound to be conflicts between obligations, and a code of ethics must provide a roadmap for their resolution.

One could sit down and write a code in a few days that would sound very good, but which would make little difference. Like the paper plan syndrome, a code of ethics is only useful when it is adopted, understood and practiced – when it becomes part of the professional and institutional culture. It is a long process that will take a lot of work. Hopefully that process is starting.

Retrieved from: http://demsa.info.yorku.ca/2016/04/ethics/

**Emergency Management Interview** This month RTSC focused on the issue of ethics in emergency management. We contacted David Etkin who is well versed on the subject and has written many articles on exploring ethics within emergency management. He is currently the Graduate Program Director for Disaster and Emergency Management at York University in Toronto, Canada.

Ethics in emergency management is something that most people do not think about, which is shown by the lack of a code of ethics. Acceleration establi to make

"David has expressed not only the need for a code of ethics but what should be included within this code of ethics. The code of ethics should include considerations in the area of utilitarian ethics, deontological ethics, virtue ethics and environmental ethics.

Some of the major factors are utilitarian ethics: careful consideration must be given to whose good is being evaluated and how it is measured. The good of victims will generally have priority over the good of non-victims (Etkin, 2016, p.2). Other factors include deontological ethics: they shall reflect the normative values of society (Etkin, 2016, p.2), with keeping in mind that all humans have rights and are valued. Still others include virtue ethics: the behavior of emergency managers and emergency management organizations shall reflect the following virtues: honesty, caring, compassion, generosity, empathy, impartiality, integrity (which refers to acting consistently according to one's stated values or principles), diligence, kindness, openness, reliability, resoluteness, respectfulness, sensitivity, tolerance, toughness, trustworthiness, and truthfulness (Etkin, 2016, p.3). Finally, environmental ethics must be considered: citizens have a right to a healthy natural environment, which also enhances sustainability and disaster resilience. Emergency management organizations shall endeavor to protect and nurture the natural environment, particularly where it mitigates disaster risk (Etkin, 2016, p.3).

# 'S WHAT WE

On top of all of these ethical considerations, one must recognize duty of care: governments and emergency management organizations owe a duty of care to vulnerable populations before, during and after a disaster occurs. "The duty of care differs from the government to the emergency responder. They each have a completely different set of concerns when responding to a disaster."

Another large gap within ethics and emergency management is the I-it and I-thou philosophy of relationships. "I-It' (referring to a relationship with a thing); while others are better described as 'I-Thou' (referring to a full relationship with another being)" (Etkin, Timmerman, 2013, p. 279). This occurs in emergency management when human's beings and the vulnerable populations lose their humanity and become objects that get in the way, becoming a problem instead of a person who needs help. When preparing, and responding to emergencies, as emergency managers we need to remember that our number one job is to save lives, and we do that best when we are focused on the value of the lives we are trying to protect.

Contact Shannelle Rozema at ssrozema@rtsconsulting.com

# Manage Your Entire Workplace's SAFETY PROGRAM



- » RTS Consulting can put your organization on the road to success with our Guardian Protection System by identifying, assessing and controlling risks to your workers.
- » We have partnered with hundreds of organizations over the last 20+ years and have identified the key elements which every organization must maintain to stay on the path to zero accidents.
- » Our Guardian Protection System (GPS) will direct you to your destination. You will always know where you are and we will ensure you are on the most cost efficient and direct route to zero accidents and improved health and safety.
- » We will identify your hazards, provide you with safe operating policies & procedures, workplace specific training.
- » We will assist you with your monthly inspections, accident investigation and reporting. GPS will keep you from getting off track and minimize the risk of injuries in your workplace.
- » We will monitor your progress towards your destination and ensure your goals are communicated to your employees.
- » We have the map to direct you. Not only that but with our Guardian Prevention System (GPS) we will constantly know where you are in relationship to where you are going to ensure the most efficient route. The ultimate GPS to reach your destination

# **Benefits of the** GUARDIAN PROTECTION SYSTEM

- » Save dollars.
- » Reduced customer and employee injuries.
- » Reduced employee absenteeism.
- » Reduced training costs.
- » Establish & maintain 'Due Diligence'.
- » Assured Provincial and Federal legislation compliance.
- » Decrease employee turnover.
- » Increase employee morale RTS will provide you with a customized and comprehensive online health & safety program that is guaranteed to benefit your workplace environment.

#### GUARDIAN PROTECTION SYSTEM

## RTS Consulting Inc. will provide you with a customized and comprehensive online health & safety program that is guaranteed to benefit your workplace environment.

Rat lungworm disease, also known as angiostrongyliasis, is a debilitating disease that affects the human brain and spinal cord. There have been several confirmed cases on Maui and the Big Island this year which is why it is important for everyone to understand the risks and preventions associated with this disease. The illness is caused by a parasitic nematode found in rat feces. The infected rodents pass the larvae on in their feces, and other animals, such as snails and slugs can become infected.

People can become sick from inadvertently eating raw or undercooked snails or slugs, which usually happens from eating raw produce that is not thoroughly washed. The parasites often are missed when washing produce such as lettuce, leafy greens or broccoli. Since there have been several

confirmed cases in Hawaii take extra care in handling your produce no matter where it comes from: the store, farmers' market, or even your own backyard. Any suspect food products should be boiled for at least 3 to 5 minutes or frozen at 5°F (15°C) for at least 24 hours.



For more info & preventative measures, visit: http://health.hawaii.gov/docd/disease\_listing/rat-lungworm-angiostrongyliasis/

# H ESSIONA

#### 24-Hour Fall Protection Competent Person

RTS Cnsultings Competent Person course ensures that each student will receive all of the proper training pursuant to 05HAs requirement of Competent Persons for the standard 29 CFR 1926 Subpart M and EM 385-1-1 Sections 16,21,22,24,25,27,28 and 31. This course will go beyond the basic awareness level of introductory courses and into details necessary when learning not just how to protect yourself, but what it takes to initiate a program and create a safe working environment for those you may be responsible for at your place of employment.

#### Who is This Course For?

This course is for anyone that will be required to manage a safety program, or responsible to be the on-site competent person. Recommended: Lead Hand, Forman, Safety Managers, Safety Directors, Onsite Managers, Supervisors, Section Leads, Responsible Persons.

Cost: \$550 + HST | Schedule: Feb. 4,11 & 18 | Feb. 13,14 & 15 | Mar. 11,18 & 25 | Mar. 27,28 & 29

8-Hour End User Fall Protection Training

RTS Consulting's 8-hour End User Fall Protection Course ensures that each student will receive the proper training pursuant to OSHAs requirement of End User for the standard 29 CFR 1926 Subpart M and EM 385-1-1 Sections 16,21,22,24,25,27,28 and 31.

#### Who is This Course For?

This course is for anyone that might be exposed to fall hazards from heights.

Cost: \$150.00 | Schedule: Feb. 25, March 17

#### Construction Health and Safety Technician (CHST) Prep Course (3-day course)

Our experienced safety professionals will assist you in the preparation for the examination by giving participants a brief overview of the certification and the certification process. Each participant is guided through the completion of their application and documentation required in order to submit a complete application.

Topics covered include: how to use the workbook. OHST examination and history, how to select a calculator, reference material, description and analysis of the OHST examination, about the computer examination, calculator warm up exercises, scientific and engineering notation, signed numbers, formula transpositions, unit conversions, conversion questions, conversion answers, math questions, math answers, gas laws, chemistry, physics questions, physics answers, OSHA 300, statistics, equations used most often.

Instruction is presented on topical matters to pass the certification examination. This instruction consists of both lecture and group discussion. On completion of the instruction, participants are given a mock examination to review materials presented and prepare them for the actual testing protocol.

#### Safety Trained Supervisor (STS) in Construction (3-day course)

Participants are given a brief overview of the certification and the certification process. Each participant is guided through the completion of their application and documentation required in order to submit a complete application.

Instruction is presented on topical matters relevant to the particular certification examination. This instruction consists of both lecture and group discussion. On completion of the instruction, participants are given a mock examination to review materials presented and prepare them for the actual testing protocol.

The Safety Trained Supervisor in Construction Course will meet the Examination Blue Print changes of the Board of Safety Professionals 2011. Topics include

- 1. Conduct risk assessments by performing pre-task hazard analyses and evaluating personal protective equipment (PPE), tools, equipment, and job expectations, in order to mitigate hazardous conditions and minimize the risk of incident or injury.
- 2. Confirm that employees have the necessary job-specific technical skills and qualifications by observing work practices or reviewing training records in order to ensure competent staff.
- Ensure that personnel in the work area are oriented to safety and health considerations by communicating hazardous conditions and monitoring behaviors in order to help ensure that applicable rules and emergency action plans are understood.
- 4. Evaluate work practices by observing employees' behavior and their use of PPE, tools, and equipment in order to minimize the risk of incident or injury and to comply with applicable standards.
- 5. Ensure safety and health standards are implemented through coaching and by correcting observed deficiencies in order to maintain a safe and healthful work environment.
- 6. Take appropriate action when confronted with unsafe acts and conditions by exercising stop-work authority, modifying tasks escalating issues to higher management, consulting with qualified professionals (when the matter is outside the scope of the supervisor's capabilities, etc.) and disciplining employees in order to minimize the risk of incident or injury.
- 7. Facilitate a positive, proactive safety culture by anticipating hazards, modeling and coaching safe behavior, reporting incidents, encouraging employee participation, and communicating performance measures in order to enhance safety and health.
- 8. Evaluate employees using safety performance and behavior as key criteria in order to hold employees accountable for safety.
- 9. Participate in investigations that determine causes, identify corrective actions, document lessons learned, and address employee concerns using recognized investigation techniques in order to minimize the risk of workplace incidents.
- 10. Verify the effectiveness of emergency action plans through training and practice in order to ensure effective response in crises.

11. Coordinate operations and work processes with other supervisors by communicating effectively in order to minimize risk.

- 12. Perform safety and health-related record keeping in accordance with applicable standards using established procedures in order to document essential processes
- 13. Comply with company and STS codes of ethics by resolving issues consistently with these.

Course materials will consist of lecture materials accompanied by PowerPoint slides containing content consistent with the applicable examination and standards and best practice

#### .....

#### SUPERVISOR AND GENERAL SAFETY TRAINING

#### Supervisor Safety Training (2-day course)

We provide two Supervisor Safety Training Programs. One is called START which stands for Supervisors Training in Accident Reduction Technics and it teaches the Supervisors their respective levels of accountability in the event of an incident. It also talks about what is a safety culture and shares the true cost of incidents and the direct impact on the project and/or company's bottom line.

The other program is called On the Front Lines. It goes from the perspective of a company that thought they were doing well and had recently won a safety award and then had a significant incident. It goes to show the type of mentality that Management personnel as well as field personnel go through, especially when it's somebody that they all know. This program also teaches about incident costs and EMR rates and how it relates to the company's overall ability to bid competitively on projects.

#### .....

So You're Getting Inspected by OSHA!?? (2-hour course) This 2 hour course will cover what things an employer or on site employer representative must know when dealing with an OSHA Inspection. Learn what the inspectors need to do to identify themselves, can you make an inspector wait or not? Can the inspector question employees without a management representative being a part of it? Learn the overall process of how an OSHA Inspection is carried out:

- Identification of the Inspector
- Opening Conference
- Inspection Tour
- Closing Conference

#### First Aid/CPR/AED (4-hour course)

This 4-hour course covers the required elements for full certification: Set-Up & Site Evaluation, primary assessment, rescue breathing, CPR Techniques, choking management, control of bleeding, shock management and hands-on auto external defibrillator (AED) training.

#### Forklift/Telescopic Reach Forklift/Aerial Lift (1-day course)

The lift training and refresher will be completed in two sessions and covers the requirements of Occupational Safety and Health Administration (OSHA), Hawaii Occupational Safety and Health (HIOSH) and EM 385-1-1.

Theory Session: To conduct a 4-hour theory training session for your lift truck drivers. This training session can be done during a regular work day.

Video and power point training, which is designed to give the operator a good understanding of all the principles of using a lift truck will be used. Written test which will determine the participant's knowledge of the principles that have been discussed. Participants will be issued a wallet card upon successful completion of the course.

Note: Participants must receive a score of 100% on the theory session if they which to participate in the practical session.

#### Practical Sessions

To conduct practical lift training sessions – each driver will receive approximately 30 minutes of training and evaluation.

To complete the training we will need to know the name and type of the equipment used by your company. We will also require an operator's manual at least one week before the training.

#### Scissor Lift and Refresher (1/2-day course)

The lift training and refresher will be completed in two sessions and cover the requirements of Occupational Safety and Health Administration (OSHA), Hawaii Occupational Safety and Health (HIOSH) and EM 385-1-1.

#### Theory Session:

To conduct a 2-hour theory training session for your lift truck drivers. This training session can be done during a regular work day. Video and power point training, which is designed to give the operator a good understanding of all the principles of using a lift truck will be used. Written Test which will determine the participant's knowledge of the principles that have been discussed. Participants will be issued a wallet card upon successful completion of the course

#### Note: Participants must receive a score 100% on the theory session if they which to participate in the practical session.

#### Practical Sessions:

To conduct practical lift training sessions - each driver will receive approximately 30 minutes of training and evaluation. To complete the training we will need to know the name and type of the equipment used by your company. We will also require an operator's manual at least one week before the training.

#### Traffic Control/Flagger Awareness (2-hour course)

#### This 2 hour course will cover the following:

Identify the responsibilities of a flagger, describe the proper way to place signs, describe the proper position for flagging, define the flagging procedures for stop, slow and proceed, identify the correct procedure for various flagging situations, describe the proper conduct in flagging.

#### Supported Scaffold Awareness (1/2-day course)

This 4-hour course covers the requirements of Occupational Safety and Health Administration (OSHA), Hawaii Occupational Safety and Health (HIOSH) and EM 385-1-1, regarding safety related to pipe scaffolds including fall protection, electrical hazards, inspections, protective equipment

Anyone who works on pipe scaffolding regardless of the height are required to take a four hour Supported Scaffold User Course. This includes frames that are only one section high, baker scaffolds, rolling towers, and stair towers. No one is exempt from this training certification including architects, engineers, and project managers.

#### Supported Scaffold Competent Person Training (6-hour course)

This 6-hour supported scaffold training course will educate your personnel on how to minimize or avoid injury and follow the requirements of Occupational Safety and Health Administration (OSHA), Hawaii Occupational Safety and Health (HIOSH) and EM 385-1-1. In this class, your personnel will find out about getting at ramps, ladders, stairway towers, and walkways. They'll discover how to avoid hazards with beneficial housekeeping. In this supported scaffold training course they'll find out about the use of hard hats, debris-nets and toe boards. They'll find out about OSHA's height and guardrail regulations as well as suitable installation and assembly of industrial scaffolding. Industrial scaffolding certification training for supported scaffolds is mandatory by Occupational Safety and Health Administration (OSHA).

#### Trenching Excavation Competent Person (6-hour course)

This is a 6-hour "competent person" course. The Trenching and Excavating Safety Course helps employers and employees comply with the requirements of Occupational Safety and Health Administration (OSHA), Hawaii Occupational Safety and Health (HIOSH) and EM 385-1-1, by determining what type of working hazards exist, how to correct them and the responsibilities of the competent person. It also conveys the importance of using the right protective system during excavation work. Participants receive a wallet-sized certificate of completion from RTS Consulting Inc

#### Fall Protection Awareness (2-hour course)

This 2-hour Fall Protection Awareness Safety Course identifies the types of fall protection and is designed to help employees recognize and correct fall hazards in the workplace before an accident can occur.

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#### HAZCOM (4-hour course)

In this course the requirements of Occupational Safety and Health Administration (OSHA), Hawaii Occupational Safety and Health (HIOSH) and EM 385-1-1 will be covered.

Upon completion of this 4-hour training course the student will be familiar with:

- Hazard Determination Hazardous Chemical List
- Material Safety Data Sheets
- Definitions associated with Hazard Communications
- Hazardous Material Labeling System
- Employee Training

#### HAZWOPER /First Responder Operations Level (8-hour course)

This course covers broad issues pertaining to the hazard recognition at work sites. OSHA has developed the HAZWOPER program to protect the workers working at hazardous sites and devised extensive regulations to ensure their safety and health. This course, while identifying different types of hazards, also suggests possible precautions and protective measures to reduce or eliminate hazards at the work place. This course will cover the requirements of Occupational Safety and Health Administration (OSHA), Hawaii Occupational Safety and Health (HIOSH) and EM 385-1-1

#### Course Overview:

This Course will focus on the following topics:

- Regulation Overview
- Site Characterization
- General • Site Safety and Health Plan (SSHP) Responsibilities
  - Decontamination
- Site Control Medical Surveillance

• Hazard Recognition

- Training
- Toxicology
- Facilities or Construction Project Emergency Response

Personal Protective Equipment

- RCRA, TSD Facilities
- Fire Protection

#### HAZWOPER (24-hour course)

This course fulfills your requirements for certification under 29 CFR, Part 1910.120, 229 CFR 1926.65 or other applicable state regulations for certification to the 24-hour Occasional Site Worker level.

#### HAZWOPER (40-hour course)

HAZWOPER 40-Hour Training Course is required for workers that perform activities that expose or potentially expose them to hazardous substances. The course will cover the requirements of Occupational Safety and Health Administration (OSHA), Hawaii Occupational Safety and Health (HIOSH) and EM 385-1-1

This course is specifically designed for workers who are involved in clean-up operations, voluntary clean-up operations, emergency response operations, and storage, disposal, or treatment of hazardous substances or uncontrolled hazardous waste sites. Topics include Protection against hazardous chemicals present on the site

- Elimination of hazardous chemicals
  Safety of workers and the environment
- OSHA regulations, HIOSH and EM 385-1-1
- Use of personal protective equipment
  Work practices by which the employee can minimize risks from hazards
- Safe use of engineering controls and equipment on the site
- · Medical surveillance requirements, including recognition of symptoms and signs which might indicate overexposure to hazards

#### **OSHA 30-Hour Safety Course**

This four-day course is designed for individuals responsible for implementing, managing & enforcing workplace safety efforts. Class curriculum provides a detailed, cross-referenced awareness of OSHA construction standards and their job site implementation. Syllabus includes: regulatory requirements; safety/health/environmental controls; personal protective equipment; materials handling; fire prevention; hand and portable power tools; electrical safety . . . and more. You will receive a 30-Hour OSHA Outreach card.

#### **OSHA 10-Hour Safety Course**

OSHA requires that all employees be trained to recognize the hazards that exist in their workplace, about safety rules that apply for the work they do, and in the safe working practices to accomplish their work.

This two-day class starts with OSHA Regulations for the Construction Industry. Your employees attending this session leave with a much better understanding of the structure of these rules, where to go to learn more, and the most frequently cited violations for each part.

> Heavy Equipment Operation · Welding and Cutting

#### **Topics Covered:**

- Scaffolds and Ladders
  Excavation and Trenching/Shoring
- Electrical Safety Floor and Wall Openings Personal Protective Equipment

Health Hazards

- Power Tools Material Handling
  - Steel Frection
  - Concrete and Masonry Construction

#### Confined Space Competent Person (6-hour course)

This 6-hour Competent Person Course will meet the requirements of Occupational Safety and Health Administration (OSHA), Hawaii Occupational Safety and Health (HIOSH) and EM 385-1-1 and will cover

- Being able to identify the differences between a non-permit confined space and a permit-required confined space
- Understanding the responsibilities of an Attendant, Entrant and Entry Supervisor
   The hazards of working within a confined space
- · Equipment needed to safely work within a confined space
- How and Who creates a permit if a space is deemed Permit Required Confined Space
   How to set up the emergency rescue equipment
- Competent Person responsibilities Proper signage and delineation of the work areas

#### Respiratory Protection (4-hour course)

This 4-hour course will cover the protocols for respirator training/fit testing that meets EM 385-1-1, HIOSH 12-64.1, OSHA 1910.134, NAVOPINST 5100, AR 11-34, AFOSH and Coast Guard, review of OSHA revised standards as they pertain to Hawaii, NIOSH 42 CFR 84 Particulate standard and new respirator technology.

#### Electrical Safety (2-hour course)

This 2-hour course will cover the following information:

- 1. OSHA Electrical Standard Information
- 2. Definitions of electricity
- 3. Inspection Requirements a. Documentation of inspection
- 4. Maintenance Requirements for Flexible (extension) cords

#### Competent Person Electrical Safety (6-hour course)

This 6-hour Competent Person Course will meet the requirements of Occupational Safety and Health Administration (OSHA), Hawaii Occupational Safety and Health (HIOSH) and EM 385-1-1

#### Ladder Safety (2-hour course)

This 2-hour course will cover the following information:

- 1. OSHA Ladder Standard Information
- 2. Ladder Types:
- a. Fiber glass h Aluminum
- c. Extension
- d. Step Ladders
- 3. Inspection Requirements:
- a. Documentation of inspections
- 4. Maintenance Requirements

#### Competent Person Ladder Safety (6-hour course)

This 6-hour Competent Person Course will meet the requirements of Occupational Safety and Health Administration (OSHA), Hawaii Occupational Safety and Health (HIOSH) and EM 385-1-1.

#### Hazardous Energy Control (2-hour course)

- This 2-hour course will cover the following information:
  - 1. OSHA Lock Out/Tag Out Standard Information
  - 2. Definitions of LOTO
  - 3. Inspection Requirements

**Compliance Audits** 

5

- a. Documentation of inspections
- 4. Maintenance Requirements

Competent Person Hazardous Energy Control/Lock-Out (6-hour course)

This 6-hour Competent Person Course will meet the requirements of Occupational Safety and Health Administration (OSHA). Hawaii Occupational Safety and Health (HIOSH) and EM 385-1-1.

RTS Consulting offers compliance audits for clients who would like an understanding of where they stand in their health and safety program.

All training sessions can be presented on-site and on any state island. (Lanai, Kauai, Oahu, Maui, Molokai and Hawaii (Big Island))

\*A substantial discount will be given for large groups. Please call for special group pricing

Based on previous investigations, client- specific- audits will be conducted in areas such as:

· Protection against hazardous chemicals present on the site

• Elimination of hazardous chemicals Safety of workers and the environment
OSHA regulations, HIOSH and EM 385-1-1

· Use of personal protective equipment

Please note: Training occurring on weekends and holidays will be subject to an additional 25% rate increase

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## PREMIER SAFETY CONSULTING FIRMS

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**CONSTRUCTION SAFETY PROFESSIONALS:** We are currently seeking primary and alternate SSHO safety professionals in the state of Hawaii for various projects. We would prefer formal education in the field of occupational health and safety but will consider experience and related education. The candidate must have a good working knowledge of the Occupational Health and Safety Administration Act, EM 385-1-1 and relevant ANSI standards.

At a minimum we will require 5 yrs. of continuous construction safety experience in supervising/managing safety programs, processes and conducting hazard analyses and developing controls. The candidate must have a current Safety Trained Supervisor (STS), Construction Health and Safety Technician (CHST) or Certified Safety Professional (CSP) certification or is on track to attain the designation (s).

The candidate must also have 24 hrs. of documented formal safety training for every year for the past 5 years. Please ensure your resume reflects a minimum of 5 years construction safety experience. We will also require a copy of your certs specifically, competent person for fall protection, confined space, scaffolding, excavation & trenching as well as rigging (preferably done in the last 5 years). Also required is current First Aid/CPR, current OSHA 30, CHST or CSP and 40 hour EM385–1–1. If you are missing any of these, we can send you links, etc. to get them if applicable.

We require skill in program development, auditing, incident investigation and experience conducting public safety training sessions. Experience in OHSAS 18001 and Hawaii administrative rules title 12 Department of Labor and Industrial Relations subtitle 8 Hawaii Occupational Safety and Health Division Part 2 would be an asset. Also train-the-trainer in GHS/HAZCOM, Forklift, Scissor Lift, Hearing Conservation, Lockout/Tagout, Confined Space would be an asset.

We provide an excellent benefits package, lap top, cell phone and travel allowance depending on the job duties.

Please forward resume and certificates of training for the past 5 years to: rtscusa@rtsconsulting.com

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- Canada Safety
- OSHA Construction
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- OSHA Hazardous Waste Training



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