

TUESDAY, APRIL 3, 2012

Curriculum Addendum as of February 13, 2012

Keynote Presentations

Tuesday, April 3

100: Welcome to the 2012 Safety Expo | Selfish Safety

8:00 am – 9:30 am

Don Bradway, Independent Safety Consultant – Make safety personal! The “rules” don’t really address the personal nature of safe behavior. This presentation is useful for supervisors and employees. Learn new tools for making the safety message “stick.”

101: “2012: A Transformative Year?”

10:00 am – 10:30 am

Kevin Thompson, Cal/OSHA Reporter – Were the Mayans right and will this be a year of change? A look at the possibilities ahead for Cal/OSHA.

Compliance Certification Tracks

Tuesday, April 3

200: First Aid/CPR/AED Training for Adults

7:30 am – 12 Noon

Rescue Training Institute – Covers personal and patient protection. How to reduce disease transmission; adult CPR and foreign body airway obstruction maneuvers, bleeding control and shock prevention. This course covers how to treat bleeding, shock and traumatic injuries, specific first aid topics focused to the target audience needs. Class also includes training on AED (automatic external defibrillator). A two-year course completion card will be issued upon course completion – limited to 24 people.

About Rescue Training Institute - their programs are accepted as substantially equivalent to the AHA and American Red Cross (ARC) by most state regulatory authorities, the National Registry of Emergency Medical Technicians (NREMT), the Department of Homeland Security/United States Coast Guard. HSI is nationally accredited by the Continuing Education Board for Emergency Medical Services (CECBEMS).

201A: Cal/OSHA 10-Hour Hazard Awareness for Construction Part 1

8:00 am – 1:00 pm (Split session – Part 2 on Wednesday)

Robert Downey, RED Safety Consulting – OSHA construction standards; best safety practices; interpretation of regulations and value of safety.

Additional fee of \$25 for certification – limited to 40 people.

202: Warehouse Forklift Training Class 4 & 5* Certification

8:00 am – 5:00 pm

Ken Howarth, Sunbelt – Additional fee of \$35 first piece of equipment; \$15 for additional equipment (subject to operator time and proficiency) – limited to 20 people. Session is 6-8 hours in duration and includes book work and hands-on. **Class 4 & 5 are fixed mast industrial forklifts.*

203: Rough Terrain Forklift Class 7* Certification – Extendable Reach, Gradall, Skytrak, etc.

8:00 am – 5:00 pm

Ken Howarth, Sunbelt – Additional fee of \$35 for certification – limited to 20 people. Session is 6-8 hours in duration and includes book work and hands-on. **Class 7 is all-terrain, non-fixed mast.*

204: Aerial Boom or Scissor Lift Certification**8:00 am – 5:00 pm**

Ken Howarth, Sunbelt – Additional fee of \$35 first piece of equipment; \$15 for additional equipment (subject to operator time and proficiency) – limited to 20 people. Session is 6-8 hours in duration and includes book work and hands-on.

205: Earthwork/Excavation Competent Person Training**8:00 am – 4:00 pm**

Tim Thrift, TNT Enterprises – The shoring and trenching course is a competent person course which covers soil classifications and Cal/OSHA Regulations Title 8 CCR 1541. The course also covers the various protective systems (timber and aluminum shoring, sloping, trench boxes), how a cave-in occurs, hazardous atmospheres, and more.

206: First Aid/CPR/AED Training for Adults– Afternoon Session**12:30 pm – 5:00 pm**

Rescue Training Institute – Covers personal and patient protection. How to reduce disease transmission; adult CPR and foreign body airway obstruction maneuvers, bleeding control and shock prevention. This course covers how to treat bleeding, shock and traumatic injuries, specific first aid topics focused to the target audience needs. Class also includes training on AED (automatic external defibrillator). A two-year course completion card will be issued upon course completion – limited to 24 people.

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General Industry/Construction Safety Tracks**Tuesday, April 3****300: Fall Rescue****8:00 am – 12:00 Noon**

Kent Freeman, Western Safety Institute – The session covers orthostatic intolerance; fall rescue planning and fall rescue training; the regulatory obligation to provide for prompt rescue in the event of a fall and the dangers associated with being suspended in a harness, and relying on a call to 911 is not always going to be the answer. The course outline includes the following elements: An overview of orthostatic intolerance; review CCR T-8, Sect 1670 (14) and ANSI 359.1; what happens when you call 911 and what forms of rescue can you expect; attendees will be shown how to evaluate the work place and develop a fall rescue plan. The session will also focus on fall rescue systems, including a dedicated section on rescuing a worker.

301: Site Safety Basics Residential Construction**8:00 am – 10:00 am**

John McCoy, Eliseo Garcia, Lake View Professional; Tom Burke, Schetter Electric, Inc. – This program is an introduction to site safety and is the first step in standardizing and communicating the basics of site safety to workers. This program includes an introduction to the program and to the following core safety values: personal protective equipment, ladder safety, scaffold awareness, fall protection; the use of dust masks and respirator; heat illness and electrical safety. The intent of this program is to make workers and superintendents aware of basic core values that apply to all job-sites.

302: Conflict Resolution**9:00 am – 11:00 am**

Bruce Anderson, The Safety Center – *Description unavailable at time of print.*

303: Commercial Scaffold Safety & Hazard Awareness

9:00 am – 11:00 am

David Johnson, Skyline Scaffolding – This session covers scaffold training requirements; Hazard Awareness, and Cal/OSHA differences.

304: What You Wanted to Know About Hazard Communication

10:00 am – 11:30 am

Marty Tamayo, Cal/OSHA Standards Board – This session will cover: who's affected; Proposition 65; compliance requirements; exposure limits; MSDS requirements; warning and labeling requirements and employer responsibilities.

305: Introduction to Ladder Safety

10:00 am – 11:30 am

Andy Bull, CH Bull Company – When you think of ladders and ladder safety you might say to yourself, this is a simple tool I have used all my life, what could possibly go wrong? Let's start with serious injuries or death. There are hundreds killed and more than 100,000 injured every year using ladders. We will talk about the acronym CLIMB when talking about ladder safety. Choose the right ladder, Look at and inspect the ladder, Insure a safe ladder set up, Move safely with and on the ladder, and last Be a ladder safety expert. There will be many ladders used in the class to demonstrate different aspects of ladder safety.

306: Heat Illness: How It Really Happens

10:30 am – 12:30 pm

John McCoy, Eliseo Garcia, Lake View Professional; Tom Burke, Schetter Electric, Inc. – *Description unavailable at time of print.*

307: Introduction to Fall Protection

1:00 pm – 2:30 pm

Andy Bull, CH Bull Company – Fall protection is not just a harness and lanyard, this course covers the A B C D and R's of fall protection – anchor point, body harness, connectors, de-acceleration devices and the rescue. It will also highlight the equipment, planning process and culture change needs, as well as many stories and anecdotes as only Andy Bull can deliver.

308: Elements of an Effective Injury and Illness Prevention and Safety Program

1:00 pm – 3:00 pm

David Harrington, MPH, California Department of Public Health and Dave Strickler, Consultant, Occupational Health Branch – Part 1 of this session will cover an effective Injury and Illness and Prevention Program is the basic foundation that all safety conscious construction companies must have. While it is the most frequently cited Cal/OSHA violation, more importantly, it's the basis upon which the rest of your health and safety program rests. Without that foundation the rest of your program can break down more easily. Come and learn about the eight basic elements and learn what they should look like in your company. The ninth element, though optional, can be the most important, i.e., having a labor/management health and safety committee. When you want to move from meeting the minimum criteria to being proactive then you need to have true worker involvement. Having the whole crew invested in health and safety means having active participants where the responsibilities and the rewards are shared. Part 2—As a contractor are you aware that you are required by Cal/OSHA to conduct effective tailgate trainings and other types of trainings? Maybe, you are doing these trainings but in the back of your mind wonder if they are doing any good? Maybe you are wondering if your Spanish-speaking workers understand what the hazards are on the job-site? The elements of effective safety training, the limitations of written materials and why visual media and hands-on methods are often more effective will be presented and discussed. A bilingual video for contractors on lead paint and ladder safety will be given out to all participants to use as part of your training program. By the conclusion of this 2 hour session, participants will be able to: Describe the 9 elements of an effective IIPP; know what is involved in creating a living IIPP program; list at least five elements of effective safety training; know how to prepare for effective safety training.

309: Circular Saw and Pneumatic Nailer**1:00 pm – 2:30 pm**

Darin Wallace, Cal/OSHA – Instruction on the proper use of circular saws and use of pneumatic nailers.

310: Flagger—Interactive & Hands-on**1:00 pm – 5:00 pm**

Jerry Bach, The Safety Center – The Flagger Interactive Course was developed to provide Flaggers with the basic knowledge, information and awareness to perform their jobs safely. Before starting a job, Flaggers are encouraged to talk with their supervisor and familiarize themselves with the work area, specific job site hazards and proper flagging procedures. Because flaggers are responsible for the public safety and make the greatest number of contacts with the public of all highway or construction workers, they should be trained in safe traffic control practices and public contact techniques. This is why the Safety Expo offers this hands-on and interactive training following the classroom bookwork. A special flagger training course has been setup in the parking lot with moving vehicles and real life simulations.

311: Crane Operations**2:00 pm – 4:30 pm**

Mario Bermudez, Maxim Crane Works – Crane operations carry the greatest potential for disaster than any other activity on the project. Crane accidents in construction are often the most costly when measured in either lives or dollars. The significant number of accidents associated with the use of cranes in construction and the considerable technological advances in equipment have prompted OSHA to revise the Crane Standard. Learn about the new crane standard and how it will affect operations on your job site. More importantly, learn how you can conduct safe and efficient operations without injuries, property damage, delays or cost overruns. Additionally, this course will cover: Planning – including site preparation, crane erection/ dismantling considerations, critical lift identification and other risks that may affect operations such as weather, power lines, rigging and communications. Maintenance/Site set up – hands on inspection of a crane. Inspect the overall condition of the crane (leaks, functioning lights, horns) and all required paperwork, load charts, crane manuals and all critical parts of the crane such as the load line, drums, safety aids (anti two block devices load moment indicators). Inspect the crane's set up (outrigger set up, cribbing, barricades, tires off ground). Personnel – are your operators qualified? Certified? What kind of experience does the operator have on that specific crane model? Find out what OSHA requirements are on riggers and signal persons.

Construction Management Tracks**Tuesday, April 3****400: Understanding & Negotiating Construction Contracts****9:00 am – 11:00 am**

William Porter, Esq., Conor McElroy, Porter Law Group – Learn from two construction attorneys the meaning and consequences of important contractual terms typically contained in construction contracts as well as how to negotiate those terms and revise them to protect your interests. Subjects addressed include: indemnity, defense, hold harmless, change orders, pay if paid clauses and more. Questions are welcome. Specific written examples are provided.

401: Fatalities in Construction Due to Falls**10:00 am – 12 Noon**

Hank Cierpich and David Harrington, California Dept. of Public Health – This presentation will alert those in construction of the dangers of falls. It will also focus on construction workers who have fallen off of scaffolds and vertical shoring. It will also highlight workers who have fallen through skylights and out of trees. The objectives of this session is to inform those in construction of these incidents; to share with those doing similar work recommendations to prevent re-occurrence, and to enable employer and employees to develop effective prevention and intervention strategies.

402: Remodel Your Safety Program

12 Noon – 2:00 pm

Jennifer Martin, State Fund – Is your IIPP effective? This session will help you transform your “binder on the shelf” IIPP into a relevant and effective program. Gain practical tips and ideas on safety program improvements. *(You are encouraged to bring your current IIPPs for review).*

OSHA Regulatory Tracks

Tuesday, April 3

500: Cal/OSHA Just Showed Up! What Now?

8:00 am – 9:30 am

Marty Tamayo, Cal/OSHA Standards Board – What to do when OSHA knocks on your door; what to say to minimize your exposures; how to prepare for an OSHA inspection; how to appeal citations and fines.

501: Regulatory Section-Heat and Illness Prevention Program

8:00 am – 9:00 am

Richard DaRosa, Cal/OSHA Consultation – This course is to educate the participants as to the regulatory requirements for an effective Heat Illness Prevention Program (T8 CCR 3395) with the emphasis to the Cal/OSHA Enforcement procedures.

502: New Ladder Regulation

9:00 am – 11:00 am

Jennifer Martin, State Fund – Did you know there were updates to the Cal/OSHA safety orders on the use, inspection, training, care and maintenance of ladders in 2011? Learn what the changes were and what you need to do to comply with the new regulation.

503: Cal/OSHA – Dos, Don'ts and Truth

10:00 am – 12 Noon

Rhyanne Truax, Cal/OSHA Consultation – Sacramento District Enforcement – A Cal/OSHA Inspection from the Inspector's point of view – what you should expect and what you should and should not do; how to keep your inspection from getting expanded; how rumors can hurt you when it comes to inspections.

504: Regulatory Section-Injury and Illness Prevention Program

10:00 am – 11:00 am

Richard DaRosa, Cal/OSHA Consultation – This course is to educate the participants as to the regulatory requirements for an effective Injury and Illness Prevention Program (T8 CCR 3203) with the emphasis to the Cal/ OSHA Enforcement procedures.

505: Cal/OSHA Fall Protection

10:00 am – 11:30 am

John Ford, Cal/OSHA Consultation – Learn what Cal/OSHA expects for compliance with Fall Protection Standards, including fall rescue in commercial and residential construction.

506: Understanding CDAC – The New Construction Crane Regulations

1:00 pm – 4:00 pm

Mike Donlon, Cal/OSHA Consultation – Federal OSHA's Crane and Derrick Advisory Committee (CDAC) developed new crane regulations for the construction industry. Cal/OSHA adopted its own version of these regulations which went into effect on July 7, 2011. There are many changes and new requirements you need to know if you operate, use or work around cranes. Learn what equipment is covered under this new standard and what is excluded. Topics include: general contractor responsibilities; assembly/disassembly; working near power lines; crane inspection and certification; wire rope; safety devices; qualification for crane operators, signal persons, and riggers; forklifts used in

lifting service; additional proposed changes and more. This critical information is for anyone who works with cranes in the construction industry.

PEMA Hands-on Training Tracks

Tuesday, April 3

NOTE: All PEMA courses are provided in partnership with the Public Equipment Managers Association. Additional information on these courses can be obtained by contacting any PEMA Board member listed on their website at www.PEMA-CA.org.

600: PEMA Course – Tire Pressure Monitoring Systems

8:00 am – 12 Noon

David May – Understanding the basic principles of TPMS. Correct tire pressures are vital to safe and efficient vehicle operation. Learn the theory of operation; “re-learn” procedures, replacement sensors, and common problems that can arise from simple service operations. There will be classroom instruction and hands-on practice.

601: PEMA Course – Controller Area Network, (CAN) Bi-Directional Communication Diagnostics

8:00 am – 12 Noon

Kevin Rogers, Cosumnes River College – This course will cover the basics of using manufacturers and aftermarket scan-tools in bi-directional communication with late model controller area network systems. The class will have both a classroom and laboratory component.

602: PEMA Course – Caterpillar – ET – Use of Diagnostic Tool

8:00 am – 5:00 pm

Karl Jacobi – This course will cover the use of the “Caterpillar Electronic Technician” service tool to collect information from, and diagnose, the Caterpillar electronic engine. This class will explore the use of the “status tool”, “data logger”, and “real time graphing” features found within “CATET”, as well as the various types of information that can be collected while using “CAT ET” service tool. Course will discuss the use of Bio-diesel and CAT applications. Students should bring CAT laptop to class. Limit 8 Technicians per session. Course pre-requisite: Attendees should have electronic component knowledge as an Automotive or Truck technician.

603: PEMA Course – Auto Air Conditioning Advanced Refrigerant

8:00 am – 5:00 pm

Jess Garcia – This all-makes instructor led course utilizes class discussion and hands on lab experience to improve the participant’s diagnostic skills on the following types of automotive refrigerant systems: Cycling Clutch Orifice Tube (CCOT); Variable Displacement Thermostatic Expansion Valve (VDTXV); Cycling Clutch Thermostatic Expansion Valve (CCTXV); Variable Displacement Orifice Tube (VDOT). There will also be an overview of: hybrid vehicle refrigerant systems, interpreting refrigerant gauge readings, refrigerant oil and sealant types, refrigerant type detection and sealants, system flushing, leak detection, and, refrigerant legislation is also presented with this course. Exercises are comprised of: desk, bench, case study, on-vehicle, and proper tool usage activities.

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605: PEMA Course – Vehicle Evaporative System Diagnostics

1:00 pm – 5:00 pm

Kevin Rogers, Cosumnes River College – This course covers the operation and diagnostics for both OBDI (pre1996), and OBDII (1996 and up) Vehicle Evaporative Emission Systems which includes alternative fueled vehicles such as E-85, Propane, and Compressed Natural Gas. Current emission regulations mandate testing of these systems when vehicles are emission inspected. By understanding how and when the various evaporative systems operate and by using new testing methods technicians will more effectively diagnose these systems. Course pre-requisite: Attendees should have electronic component knowledge as an Automotive or Truck technician.

Wednesday, April 4

Keynote Presentations

Wednesday, April 4

102: What You Need to Know in 2012

8:30 am – 10:00 am

Fred Walter, Esq. and Lisa Prince, Esq. Walter & Prince, LLC – Will highlight developments in Enforcement and Appeals Board actions, the view forward, and what you need to do now, on Cal/OSHA's hot-button topics, including: What is Cal/OSHA Enforcement focusing on this year? What is a 1BY letter, and how do I write an effective response? What has changed as to accident reporting under section 342(a)? How do we prove the "reasonable diligence" defense for controlling employers? What is the status of the PPE regulation, and why do I care?

Compliance Certification Tracks

Wednesday, April 4

207: First Aid/CPR/AED Training for Adults

7:30 am – 12 Noon

Rescue Training Institute – Covers personal and patient protection. How to reduce disease transmission; adult CPR and foreign body airway obstruction maneuvers, bleeding control and shock prevention. This course covers how to treat bleeding, shock and traumatic injuries, specific first aid topics focused to the target audience needs. Class also includes training on AED (automatic external defibrillator). A two-year course completion card will be issued upon course completion – limited to 24 people.

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208: Warehouse Forklift Training Class 4 & 5* Certification

8:00 am – 5:00 pm

Ken Howarth, Sunbelt – Additional fee of \$35 first piece of equipment; \$15 for additional equipment (subject to operator time and proficiency) – limited to 20 people. Session is 6-8 hours in duration and includes book work and hands-on. *Class 4 & 5 are fixed mast industrial forklifts.

209: Rough Terrain Forklift Class 7* Certification – Extendable Reach, Gradall, Skytrak, etc.

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210: Aerial Boom or Scissor Lift Certification**8:00 am – 5:00 pm**

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201B: Cal/OSHA 10-Hour Hazard Awareness for Construction Part 2**8:00 am – 1:00 pm** (Split session – Conclusion)

Robert Downey, RED Safety Consulting – OSHA construction standards; best safety practices; interpretation of regulations and value of safety. Additional fee of \$25 for certification – limited to 40 people.

211: Earthwork/Excavation Competent Person Training**8:00 am – 4:00 pm**

Tim Thrift, TNT Enterprises – The shoring and trenching course is a competent person course which covers soil classifications and Cal-OSHA regulations Title 8 CCR 1541. The course also covers the various protective systems (timber and aluminum shoring, sloping, trench boxes), how a cave-in occurs, hazardous atmospheres and more.

212: Frame Type Scaffolding Competent Person Training**8:00 am – 5:00 pm**

David Johnson, Skyline Scaffold – This is a Scaffold Industry Association (SIA) training class. Attendees must review and complete the study guide prior to attending the class on Wednesday, April 4, 2012. The deadline for registration for this class is Friday March 9, 2012. Attendees will receive their workbooks no later than Friday March 16, 2012 and will have ten (10) days to study. An additional fee of \$50 for materials, processing and certification - limited to 20 people.

213A: OSHA 10-Hours Part 1**12 Noon – 5:00 pm** (Split session – Part 2 on Thursday)

Rudy Schroeder, Western Safety Institute – The OSHA 10-Hour Construction Course is designed for construction workers, foremen, job supervisors, and anyone involved in the construction industry. OSHA recommends Outreach Training Program courses as an orientation to occupational safety and health for workers covered by OSHA 29 CFR 1926. Workers must receive additional training, when required by OSHA standards, on the specific hazards of the job. Upon successful completion of the course, participants will receive an OSHA 10-Hour Construction Outreach DOL course completion card. Additional fee of \$25 for certification.

214: First Aid/CPR/AED Training for Adults– Afternoon Session**12:30 pm – 5:00 pm**

Rescue Training Institute – Covers personal and patient protection. How to reduce disease transmission; adult CPR and foreign body airway obstruction maneuvers, bleeding control and shock prevention. This course covers how to treat bleeding, shock and traumatic injuries, specific first aid topics focused to the target audience needs. Class also includes training on AED (automatic external defibrillator). A two-year course completion card will be issued upon course completion – limited to 24 people.

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General Industry/Construction Safety Tracks

Wednesday, April 4

312: Power Tool Safety

8:00 am – 9:00 am

Rudy Schroeder, Western Safety Institute – Are your employees using power tools safely? Training and educating your employees can be expensive. Attend this session and learn how to recognize and address safety concerns associated with using power tools; you will learn power hand-tool safety, safe use of stationary power tools, i.e., table saw, drill press. The electrical hazards of power tools; personal protective equipment (PPE) needed. Learn how to identify potential hazards. Hand and power tools are a common part of our everyday lives and are present in nearly every industry. These tools help us easily perform tasks that otherwise would be difficult.

313: Working Around Heavy Equipment Operations

8:00 am – 9:30 am

Ed Yarbrough, CalTrans – Discuss Cal/OSHA basics; levels of safety and types of safety incidents. Discuss common sense safety items everyone should know and use.

314: Site Safety Basics Residential Construction

8:00 am – 10:00 am

John McCoy, Eliseo Garcia, Lake View Professional; Tom Burke, Schetter Electric, Inc. – This program is an introduction to site safety and is the first step in standardizing and communicating the basics of site safety to workers. This program includes an introduction to the program and to the following core safety values: personal protective equipment, ladder safety, scaffold awareness, fall protection; the use of dust masks and respirator; heat illness and electrical safety. The intent of this program is to make workers and superintendents aware of basic core values that apply to all job-sites.

315: Silica Dust Hazards in Construction

9:00 am – 10:00 am

Kelly Howard, Cal/OSHA Consultation – Review of health hazards of silica and Cal/OSHA requirements.

316: Creating A Workplace Emergency Response Team

9:00 am – 11:00 am

Cindy Tait, EMT-P, RN, CEN, CFRN, MPH - Emergency Medical System, National Safety Council – Many companies have a false sense of security that Fire and EMS services are only a few minutes away. Lessons from recent history such as the Los Angeles Earthquake and Hurricane Katrina reveal that companies must be prepared to be self-sufficient for up to three days. This includes rescue operations, emergency care of injured victims, food-shelter-clothing, and communication with separated family members. The session will also differentiate between disaster preparedness, protection and response; re-evaluating your emergency response plan and discuss the importance of scenario based training items that need to be added to your disaster preparedness cache.

340: Don't Get Shocked: Electrical Safety For Construction

9:00 am – 11:00 am

Mike Donlon, Cal/OSHA Consultation – You need electricity on your site, learn how to keep it safe; understand the dangers of electricity and the causes of electrical injuries; learn to identify and correct electrical hazards on the jobsite.

317: Introduction to Ladder Safety

10:00 am – 11:30 am

Andy Bull, CH Bull Company – When you think of ladders and ladder safety you might say to yourself, this is a simple tool I have used all my life, what could possibly go wrong? Let's start with serious injuries or death. There are hundreds killed and more than 100,000 injured every year using ladders. We will talk about the acronym **CLIMB** when talking about ladder safety. **C**hoose the right ladder, **L**ook

at and inspect the ladder, Insure a safe ladder set up, Move safely with and on the ladder, and last **Be** a ladder safety expert. There will be many ladders used in the class to demonstrate different aspects of ladder safety.

318: Digging Dangers

9:30 am – 11:00 am

Rudy Schroeder, Western Safety Institute – This session is for construction; general contractors; sub-contractors; managers; supervisors; foremen and laborers – you will learn up-to-the-minute information about trench awareness training in compliance with Section 8, CCR 1541. This topic includes: one call system; basic trench HAZARD awareness; understanding trench safety, basics of identifying problems; general knowledge of responsibilities. This seminar is designed for anyone working in the field of subsurface utility line excavation. Those working around trenches: laborers, supervisors, engineers, and office personnel who deal with trenching and Underground Service Alert (USA) will benefit by attending. Areas to be discussed: regulatory background; call before digging; “competent” person; protective systems and trench cave-ins.

319: Emergencies & Major Incidents: Is Your Company Prepared to Respond?

10:00 am – 11:30 am

Ed Yarbrough, CalTrans – Discuss Cal/OSHA requirements for emergency action plans; discuss items and basic plan needs; discuss specialty work that requires additional planning; and provide examples of specialty work and potential solutions.

320: Heat Illness: How It Really Happens

10:30 am – 12:30 pm

John McCoy, Eliseo Garcia, Lake View Professional; Tom Burke, Schetter Electric, Inc. – *Description unavailable at time of print.*

321: Introduction to Fall Protection

1:00 pm – 2:30 pm

Andy Bull, CH Bull Company – Fall protection is not just a harness and lanyard. This course covers the **A B C D** and **R’s** of fall protection – anchor point, body harness, connectors, declaration devices and the rescue. It will also highlight the equipment, planning process and culture change needs, as well as many stories and anecdotes as only Andy Bull can deliver.

322: Basic Scaffold Awareness: Residential Construction

1:00 pm – 3:00 pm

John McCoy, Eliseo Garcia, Lake View Professional; Tom Burke, Schetter Electric, Inc. – *Description unavailable at time of print.*

323: Blood Borne Pathogens

1:00 pm – 3:00 pm

Cindy Tait, EMT-P, RN, CEN, CFRN, MPH - Emergency Medical System, National Safety Council – this session’s objectives are to cover the following: Define the difference between collateral duty and first responder; understand OSHA’s training requirements for Blood Borne Pathogens and OSHA’s training requirements for First Aid; discuss the importance of adequate on-site personnel preparedness and adequate equipment/supplies.

324: What Does it Take in Safety to Qualify for a Caltrans Contract?

1:00 pm – 3:00 pm

Ed Yarbrough, CalTrans – *Description unavailable at time of print.*

341: Don’t Get Shocked: Electrical Safety For Construction

1:00 pm – 3:00 pm

Mike Donlon, Cal/OSHA Consultation – You need electricity on your site, learn how to keep it safe; understand the dangers of electricity and the causes of electrical injuries; learn to identify and correct electrical hazards on the jobsite.

325: Flagger—Interactive & Hands-on Certification

1:00 pm – 5:00 pm

Jerry Bach, The Safety Center – The Flagger Interactive Course was developed to provide Flaggers with the basic knowledge, information and awareness to perform their jobs safely. Before starting a job, Flaggers are encouraged to talk with their supervisor and familiarize themselves with the work area, specific job site hazards and proper flagging procedures. Because flaggers are responsible for the public safety and make the greatest number of contacts with the public of all highway or construction workers, they should be trained in safe traffic control practices and public contact techniques. This is why the Safety Expo offers this hands-on and interactive training following the classroom bookwork. A special flagger training course has been setup in the parking lot with moving vehicles and real life simulations.

326: Machine Guarding—You Didn't Really Remove That, Did You?

2:00 pm - 4:00 pm

Rich Heberlein, R&L and Associates – One of OSHA's top ten citations, personal as well as company citations. Will cover the severity of injuries and most common types of guards removed and where guards are required.

327: Crane Operations

2:00 pm – 4:30 pm

Mario Bermudez, Maxim Crane Works – Crane operations carry the greatest potential for disaster than any other activity on the project. Crane accidents in construction are often the most costly when measured in either lives or dollars. The significant number of accidents associated with the use of cranes in construction and the considerable technological advances in equipment have prompted OSHA to revise the Crane Standard. Learn about the new crane standard and how it will affect operations on your job site. More importantly, learn how you can conduct safe and efficient operations with out injuries, property damage, delays or cost overruns. Additionally, this course will cover: Planning – including site preparation, crane erection/ dismantling considerations, critical lift identification and other risks that may affect operations such as weather, power lines, rigging and communications. Maintenance/Site set up – hands on inspection of a crane. Inspect the overall condition of the crane (leaks, functioning lights, horns) and all required paperwork, load charts, crane manuals and all critical parts of the crane such as the load line, drums, safety aids (anti two block-up, cribbing, barricades, tires off ground). Personnel – are your operators qualified? Certified? What kind of experience does the operator have on that specific crane model? Find out what OSHA requirements are on riggers and signal persons.

Construction Management Tracks

Wednesday, April 4

403: 101 Plus Tips and Tricks for New Supervisors

8:00 am – 11:00 am

Jack Kastorff, SBK Consultants – We in our society promote good performers to supervisors, give them no training in their new positions, and then wonder why they're not immediately stars. If you're a new supervisor, you'll appreciate these tips and tricks. If you're a seasoned manager, you might want to attend to discover the tips and tricks your new supervisors might use . . . on you!

404: Construction Storm Water Management

9:00 am - 11:00 am

Mary A. Larsen, Storm Water Specialists – Maneuvering the treacherous and turbulent waters of construction storm water management. Storm water Specialists will guide you through the new California permit regulations and potential pitfalls for your construction storm water success; provide solutions for successful storm water management and identify potential pitfalls to avoid in bidding, management, and contracting storm water.

405: Construction Collections Training, Mechanics Liens, Stop Notices, Bond Claims – Prompt Payment Remedies

9:00 am 11:00 am

William Porter, Esq., Porter Law Group – This session will cover samples and written materials to train contractors to properly preserve and pursue their rights to construction collections, including mechanics liens, stop notices, bond claims, prompt payment remedies and more.

406: Managing Your Employees within the Law

11:00 am – 12 Noon

Deanna Mouser, Atkinson, Andelson, Loya, Ruud & Romo – During this energetic and fast-paced workshop by an experienced employment law attorney, participants will learn practical tips and receive valuable guidance, including: tips to avoid making common errors that employers make; overview of legal requirements that impact on the employment relationship; wage and overtime requirements; minimizing liability for discrimination and harassment issues; reasonable accommodation process for disabilities.

407: Workplace Investigations

12:30 pm – 1:30 pm

Deanna Mouser, Atkinson, Andelson, Loya, Ruud & Romo – Participants will learn practical tips and receive valuable guidance, including information on: legal theories impacting investigations including the rights of the alleged perpetrator and rights of the alleged victim; planning and conducting the investigation, including proper investigatory steps and techniques (and mistakes to avoid); factors to consider in credibility determinations (*he said/she said situations*).

408: California Prevailing Wage & Apprenticeship Requirements

1:00 pm – 3:00 pm -

Mike Cable, Atkinson, Andelson, Loya, Ruud & Romo – This ever-popular seminar will bring you up-to-date information on prevailing wage and apprenticeship laws and help you understand the ins and outs of these laws. Michael Cable will be on hand to provide the information you need to stay in compliance with prevailing wage laws. Topics covered include: Overview of federal/state prevailing wage laws; how prevailing wages are determined; what projects are covered, and completing certified payroll reports.

409: Different Modes of Construction Projects

1:00 pm – 3:00 pm

Robert Fried, Atkinson, Andelson, Loya, Ruud & Romo – *Description unavailable at time of print.*

OSHA Regulatory Tracks

Wednesday, April 4

507: Regulatory Section-Heat and Illness Prevention Program

8:00 am – 9:00 am

Richard DaRosa, Cal/OSHA Consultation – This course is to educate the participants as to the regulatory requirements for an effective Heat Illness Prevention Program (T8 CCR 3395) with the emphasis to the Cal/OSHA Enforcement procedures.

508: Regulatory Section-Injury and Illness Prevention Program

10:00 am – 11:00 am

Richard DaRosa, Cal/OSHA Consultation – This course is to educate the participants as to the regulatory requirements for an effective Injury and Illness Prevention Program (T8 CCR 3203) with the emphasis to the Cal/OSHA Enforcement procedures.

PEMA Hands-on Training Tracks

Wednesday, April 4

NOTE: All PEMA courses are provided in partnership with the Public Equipment Managers Association. Additional information on these courses can be obtained by contacting any PEMA Board member listed on their website at www.PEMA-CA.org.

606: PEMA Course – CHP BIT Inspection

8:00 am – 12 Noon

Mike Bodan - This course is presented by California Highway Patrol Officer Mike Bogdan. Mike will cover the 90-day BIT Inspection Program requirements along with recordkeeping and terminal inspection requirements. This course includes a hands-on inspection of steering, brakes, lights and will discuss allowable inspection limits and repair requirements.

607A: PEMA Course – Alternative Fuel Training

8:00 am – 5:00 pm – Part I of II (Part II is held on Thursday) – You must complete both days.

Warren Johnson, Transfer Flow – This course will provide education about the characteristics and benefits of alternative fuels with emphasis on propane autogas. The class will be hands-on training with ROUSH CleanTech propane autogas system. **The criteria for this two-day session is for attendees to provide one of the following to the instructor in order to be in the class per the agreement with the state for presenting the class: *valid driver's license (must be over 18); a social security card, or a passport.***

608: PEMA Course – Auto Electrical Circuit Diagnostics and Repair

8:00 am – 5:00 pm

Jess Garcia – This instructor led course utilizes class discussion and lab exercises. Addressing the various technician knowledge and skill levels, numerous exercises and activities are utilized to tailor the participant's individual learning experience. These exercises and activities explore electrical circuit theory and operation, as well as diagnostic and repair procedures. Topics include: circuit types, electrical circuit troubleshooting, and DMM usage for determining voltage drop, resistance, and amperage. Also included is an overview of connector and terminal repair procedures, and, proper use of terminal testing and repair tools. Exercises are comprised of: desk, case study, on-vehicle, computer simulation and work bench exercises.

609: PEMA Course – Caterpillar – ET – Use of Diagnostic Tool

8:00 am – 5:00 pm

Karl Jacobi – This course will cover the use of the “Caterpillar Electronic Technician” service tool to collect information from, and diagnose, the Caterpillar electronic engine. This class will explore the use of the “status tool”, “data logger”, and “real time graphing” features found within “CAT ET”, as well as the various types of information that can be collected while using “CAT ET” service tool. Course will discuss the use of Bio-diesel and CAT applications. Students should bring CAT laptop to class. Limit 8 Technicians per session. Course pre-requisite: Attendees should have electronic component knowledge as an Automotive or Truck technician.

610: PEMA Course – CHP BIT Inspection

1:00 pm – 5:00 pm

Mike Bogdan – This course is presented by California Highway Patrol Officer Mike Bogdan. Mike will cover the 90-day BIT Inspection Program requirements along with recordkeeping and terminal inspection requirements. This course includes a hands-on inspection of steering, brakes, lights and will discuss allowable inspection limits and repair requirements.

Thursday, April 5

Compliance Certification Tracks

Thursday, April 5

215: First Aid/CPR/AED

7:30 am – 12 Noon

Dan Sheppard and Kevin Crown, Safety First – This Safety First Hands-On First-Aid /CPR/AED classroom training will teach you many life saving skills needed to respond to and manage a first aid, choking or sudden cardiac arrest emergency until emergency medical services arrive. This course includes: Take charge in a emergency situation in the workplace; hands-only CPR; General first-aid training; AED training; stroke awareness; heat illness prevention; choking awareness; when to move a victim, and Emergency Action Plan. Each trainee will be issued a course completion card and certificate in First Aid, CPR and AED. *Limited to 50 attendees.*

213B: OSHA 10-Hour – Part 2

8:00 am – 1:00 pm (Split session – Conclusion)

Rudy Schroeder, Western Safety Institute

216: Warehouse Forklift Training Class 4 & 5* Certification

8:00 am – 5:00 pm

Ken Howarth, Sunbelt – Additional fee of \$35 first piece of equipment; *\$15 for additional equipment (subject to operator time and proficiency) – limited to 20 people.* Session is 6-8 hours in duration and includes book work and hands-on. **Class 4 & 5 are fixed mast industrial forklifts.*

217: Rough Terrain Forklift Class 7* Certification – Extendable Reach, Gradal, Skytrak, etc.

8:00 am – 5:00 pm

Ken Howarth, Sunbelt – Additional fee of \$35 for certification – limited to 20 people. Session is 6-8 hours in duration and includes book work and hands-on. **Class 7 is all-terrain, non-fixed mast.*

218: Aerial Boom or Scissor Lift Certification

8:00 am – 5:00 pm

Ken Howarth, Sunbelt – Additional fee of \$35 first piece of equipment; *\$15 for additional equipment (subject to operator time and proficiency) – limited to 20 people.* Session is 6-8 hours in duration and includes book work and hands-on.

General Industry/Construction

Safety Tracks

Thursday, April 5

328: Fall Rescue

8:00 am – 12 Noon

Kent Freeman, Western Safety Institute – The session covers orthostatic intolerance; fall rescue planning and fall rescue training; the regulatory obligation to provide for prompt rescue in the event of a fall and the dangers associated with being suspended in a harness, and relying on a call to 911 is not always going to be the answer. The course outline includes the following elements: An overview of orthostatic intolerance; review CCR T-8, Sect 1670 (14) and ANSI 359.1; what happens when you call 911 and what forms of rescue can you expect; attendees will be shown how to evaluate the work place and develop a fall rescue plan. The session will also focus on fall rescue systems, including a dedicated section on rescuing a worker.

329: NFPA 70E – 2012 Standard for Electrical Safety in the Work Place

8:00 am – 12 Noon

Tom Burke, Schetter Electric – The session will promote a greater understanding of the standard developed by the NFPA for electrical safety in the workplace – *limited to 20 people*.

330: Confined Space Awareness

8:00 am – 12 Noon

Tim Thrift, TNT Consulting – When we're done, you'll know: what a confined space is; common exposures on construction sites; confined space hazards and controls; the difference between permit and non-permit spaces; what an entry permit is; respiratory protection requirement; about rescue procedures, and training requirements.

331: Accident Investigation

8:00 am – 5:00 pm

Robert Downey, RED Safety Consulting - This session covers accident investigation management; photography; interviewing techniques; eyewitness testimony, and incident documentation.

332: Machine Guarding—You Didn't Really Remove That, Did You?

8:00 am - 10:00 am

Rich Heberlein, R&L and Associates – One of OSHA's top ten citations, personal as well as company citations. Will cover the severity of injuries and most common types of guards removed and where guards are required

333: How Much Do YOU Really Know About the Construction Industry?

9:00 am – 11:00 am

Jerry Bach, The Safety Center – Want a chance to win a free class at the Safety Center? Learning safety can be fun. Come join us in this new and exciting game show format that is sure to make you a winner.

334: Introduction to Hydraulic Safety

9:00 am – 11:30 am

Andy Bull and Stan Sheppard, CH Bull Company – CH Bull Company is one of the leaders in the area of hydraulics and jacking in the construction field. This class will cover some of the basic rules of hydraulics. We will have a number of different components and demonstrate how they work together. We will cover some of the basic terminology like jacks, rams and cylinders. We will have a clear understand of what the difference is in pressure and force. We will cover all of the major components in any hydraulic system: pumps, hoses, cylinders, gages, couplers, and oil. There will be some discussion for selecting the proper system for using hydraulics in the construction field. There will be a few different basic application problems we will solve together. We will see some brief videos of high pressure hydraulics being used in the construction field. Lastly we will discuss proper maintenance and use of these items that are essential to safely completing your task.

335: Heat Illness: How It Really Happens

1:00 pm – 2:30 pm

John McCoy, Eliseo Garcia, Lake View Professional; Tom Burke, Schetter Electric, Inc. – *Description unavailable at time of print.*

336: Commercial Scaffold Safety & Hazard Awareness

1:00 pm – 3:00 pm

David Johnson, Skyline Scaffolding – This session covers Scaffold Training Requirements; Hazard Awareness, and Cal/OSHA differences.

337: How Much Do YOU Really Know About the Construction Industry?

1:00 pm – 3:00 pm

Jerry Bach, The Safety Center – Want a chance to win a free class at the Safety Center? Learning safety can be fun. Come join us in this new and exciting game show format that is sure to make you a winner.

338: Lock-out/Tag-out

1:00 pm – 4:00 pm

Tim Thrift, TNT Consulting – When we're done, you'll understand: How Lock-out/Block-out/Tag-out applies to construction; that companies must have written LOTOBO programs; the specific steps for cleaning, servicing, maintaining and repairing equipment; employee training requirements; subcontractor controls, and you'll leave with usable information for your company's safety program.

339: Crane Operations

2:00 pm – 4:30 pm

Mario Bermudez, Maxim Crane Works – Crane operations carry the greatest potential for disaster than any other activity on the project. Crane accidents in construction are often the most costly when measured in either lives or dollars. The significant number of accidents associated with the use of cranes in construction and the considerable technological advances in equipment have prompted OSHA to revise the Crane Standard. Learn about the new crane standard and how it will affect operations on your job site. More importantly, learn how you can conduct safe and efficient operations without injuries, property damage, delays or cost overruns. Additionally, this course will cover: Planning – including site preparation, crane erection/ dismantling considerations, critical lift identification and other risks that may affect operations such as weather, power lines, rigging and communications. Maintenance/Site set up – hands on inspection of a crane. Inspect the overall condition of the crane (leaks, functioning lights, horns) and all required paperwork, load charts, crane manuals and all critical parts of the crane such as the load line, drums, safety aids (anti two block devices load moment indicators). Inspect the crane's set up (outrigger set-up, cribbing, barricades, tires off ground). Personnel – are your operators qualified? Certified? What kind of experience does the operator have on that specific crane model? Find out what OSHA requirements are on riggers and signal persons.

Construction Management Tracks

Thursday, April 5

410: Minimizing Your legal Exposure

9:00 am – 10:30 am

Presented by Members of State Fund's Legal Counsel - Learn about your legal obligations at each stage of the claims process to help you limit your liability and control your claims costs. The session covers Medical Provider Network (MPN) posting requirements; claims-reporting obligations; liability determinations; the investigation process; producing favorable outcomes, and additional employer liability.

411: Multi-Employer Liability and The Standards Board

10:00 am – 12 Noon

Jack Kastorff, SBK Consultants - Recent legal changes have made contractors liable for actions of other contractors on the worksite. Learn what your liabilities are and more importantly, what you can do to control them. Plus, the Standards Board writes new Cal-OSHA regulations, repeals some and modifies others, but it is REQUIRED to listen to stakeholders before doing so. They can't listen to you if you don't speak! Learn about the Board, and how to make your voice heard!

412: Mandatory State Sexual Harassment Supervisor Training

1:00 pm – 3:00 pm

Jack Kastorff, SBK Consultants - Sexual Harassment Avoidance: California AB1825 requires 2 hours of training for all new supervisors within 6 months of being appointed or hired to the position. This session

covers the mandatory interactive content in an entertaining and informative fashion. Certificates of Completion will be provided to attendees. There is no additional charge for this session.

PEMA Hands-on Training Tracks

Thursday, April 5

NOTE: All PEMA courses are provided in partnership with the Public Equipment Managers Association. Additional information on these courses can be obtained by contacting any PEMA Board member listed on their website at www.PEMA-CA.org.

611: PEMA Course – CHP BIT Inspection

8:00 am – 12 Noon

Mike Bogdan - This course is presented by California Highway Patrol Officer Mike Bogdan. Mike will cover the 90-day BIT Inspection Program requirements along with recordkeeping and terminal inspection requirements. This course includes a hands-on inspection of steering, brakes, lights and will discuss allowable inspection limits and repair requirements.

607B: PEMA Course – Alternative Fuel Training

8:00 am – 5:00 pm – (Part II)

You must complete both days.

Warren Johnson, Transfer Flow – This course will provide education about the characteristics and benefits of alternative fuels with emphasis on propane autogas. The class will be hands-on training with ROUSH CleanTech propane autogas system. **The criteria for this two-day session is for attendees to provide one of the following to the instructor in order to be in the class per the agreement with the state for presenting the class: *valid driver's license (must be over 18); a social security card, or a passport.***

613: PEMA Course – ABS Operation and Diagnosis

8:00 am – 5:00 pm

Jess Garcia – This course describes control strategies employed by ABS braking systems, dynamic rear proportioning and traction control. Diagnostics utilizing a scan tool, digital meter and service resources allows technicians to analyze ABS/TCS parameters to improve their skills and understand vehicle dynamic response against ABS concerns.

614: PEMA Course – Best Practices in Fleet Management

8:00 am – 5:00 pm

David Renschler, City of Fairfield - This course will help familiarize you with the nine major areas of Fleet Management with a focus on best practices. Learning to market your fleet and maximizing your communications with your customers as well as how to run your fleet as a business is just some of the topics covered. You will leave with some very valuable handouts such as sample business plans, replacement policies, maintenance plan and facility plans.

615: PEMA Course – CHP BIT Inspection

1:00 pm – 5:00 pm

Mike Bogdan - This course is presented by California Highway Patrol Officer Mike Bogdan. Mike will cover the 90-day BIT Inspection Program requirements along with recordkeeping and terminal inspection requirements. This course includes a hands-on inspection of steering, brakes, lights and will discuss allowable inspection limits and repair requirements.

Conference Concludes.