

**NCSE MEETING MINUTES
FRANCIS MARION HOTEL
CHARLESTON, SC
APRIL 4-5, 2012**

The chairman, Andy Peters, convened the spring 2012 meeting of the National Construction Safety Executives at 8:00 AM on Wednesday, April 4, 2012. Andy briefed the group on the emergency evacuation procedures and locations of facilities. Andy welcomed the guests and asked them to introduce themselves. After further introductions of all members, Andy reviewed the purpose of NCSE and elements of the charter which was handed out to all members.

Members attending were:

Peters, Andy, Chairperson	Parsons	andy.peters@parsons.com
O’Dea, Tony, Vice Chair	Gilbane Building Company	todea@gilbaneco.com
Tim Palmer, Treasurer	TIC Holdings	tdpalmer@wanzek.com
Robert Saiz, Mtg. Coordinator	PCL Construction	rjsaiz@pcl.com
Baldwin, Rich, Secretary	PCL Construction	rsbaldwin@pcl.com
Barber, Brad	CH2MHill	bradley.barber@ch2m.com
Bardin, Chris	The Layton Companies	cbardin@laytoncompanies.com
Beswick, Gary	AECOM Technology, Inc.	gary.beswick@aecom.com
Bray, David	McDermott	jdbray@mcdermott.com
Davis, Warren	Safe Step, LLC	safestep@satx.rr.com
DePrater, Cindy	Turner Construction	cdprater@TCCO.com
Duffy, Jim	Lend Lease	jim.duffy@lendlease.com
Giles, Brad	Washington Division, URS	brad.giles@wgint.com
Grimm, Donn	Bechtel	dwgrimm@bechtel.com
Grundke, Eric	Kiewit	eric.grundke@kiewit.com
Handley, Chris	Performance Contractors	chris.handley@pcg.com
Helman, Dan	Babcock & Wilcox	dlhelman@babcock.com
Hillman, Ted	Retired	sonofvike@yahoo.com
Hornauer, Bob	NCCCO	bhornauer@nccco.org
Jackson, Bill	Granite	william.jackson@gcinc.com
Kliwinski, David	Jacobs	David.Kliwinski@jacobs.com
Levin, Paul	Sundt	pclevin@sundt.com
Maguire, Michael	Retired	maguiremd@att.net
Montes, Charles	Kinetics	Charles.Montes@Kinetics.net
Peck, Chris	CH2MHill	chris.peck@ch2mhill.com
Ruebesam, Jeff	Fluor	jeff.ruebesam@fluor.com
Sirofchuck, Tim	Clark Group	tim.sirofchuck@clarkconstruction.com
Van Brenk, Hendrik	Skanska USA	hendikvanbrink@skanska.com
Wilson, Yancey	Quanta Services	wyancey@quantaservices.com

Members Absent

Gary Amsinger , Mbr at Large	McCarthy	gamsinger@mccarthy.com
Dixon, Jim	Jacobs	Jim.Dixon@Jacobs.com
Hill, Darryl	ABB, Inc.	darryl.c.hill@us.abb.com

Johnson, Bob
Richardson, Carl
Softich, Tony

Granite
Zachary
SNC-Lavalin

bob.johnson@gcinc.com
richardson@zhi.com
tony.softich@snclavalin.com

Guests

Atchinson, Joel
Atteberry, Jon
Miller, Kevin

URS
Zachry
URS

joel.atchinson@urs.com
atteberryj@zhi.com
kevin.miller@urs.com

Parsons Safety Moment

Your Elevator Speech, or “What to Say to Customers and Employees About SH&E”?

Andy discussed the value of coaching our executives about SH&E. It is important to know the history of serious incidents and relate them to executives and ensure that they know how serious some events are. At Parsons they make known their workers comp premiums. Using those cost figures, Andy impresses them on the costs of incidents. He also includes data about their third-party lawsuits to develop the compelling reasons for a strong safety process. Another key is the executives’ awareness of strong relationships with OSHA and what differentiates them from other companies especially their competitors. They have a method to measure risk and can display that for projects. There are eight key elements that Andy makes sure that their executives know.

Tony Softich discussed how they follow-up on project supervisors interaction on the project. They ensure that safety information spreads on a project.

Eric stated that Kiewit senior staff members visit projects and have noticed similarities among successful projects, namely the simplicity of some of the same project safety initiatives.

Robert Saiz stated that our number two leader in the U.S. presented a safety vision class to all supervisors in 35 separate sessions. About 900 salaried and hourly supervisors were trained and each was required to develop a personal safety vision which will be followed up by PCL leaders.

Tim said that the personal safety plans in Wanzek were well accepted beyond his expectations. He wondered what the next step would be. Several members expressed their opinions. Brad said that his efforts were voluntary but several clients expected a more stringent effort... a mandatory program. URS took it home to the family and it had a great impact. They focused on two work behaviors, two home safety practices and a wellness aspect. Kiewit Energy has personal safety plans but has expanded that to more creativity. Tony O’Dea said that maybe each meeting could be started by sharing a personal plan. Andy said that they track employee and dependent off the job injuries.

Prospective New Member Presentations

Jeff Ruebesam, Fluor

Jeff came to Fluor from General Electric. He started his career at Pittsfield, Massachusetts in GE Power Systems and then transitioned to GE’s power generation business. He has been with Fluor as Vice President, HSE in Greenville, SC for four months. He manages approximately 800 HSE professionals in Fluor at projects. He is the senior HSE professional in the company. Jeff’s immediate goal is to develop

one set of audit tools, not five for the divisions as is now the case. He is determined to focus more on the proactive and develop a strong team.

Brad Barber, CH2MHill

Brad has a B.S, from Murray State and a Master's in Industrial Hygiene from Tulane University. He is a CSP. Brad got started in Gulf States Construction and was in Parsons for 16 years in several locations. He is headquartered in Charlotte, NC. His company has 30,000 employees and does 6.3 Billion in revenues. His department reports up through the President, Administrative Office. There are 480 safety professionals in the company.

Donn Grimm, Bechtel

Donn discussed his background and Bechtel's performance. They have 53,000 employees and last year's revenue was 32.0 Billion. Their LTI in 2011 was 0.04 and their RIR is 0.41. Donn does not like to focus on lagging behaviors. His background is marketing and finance. He has degrees from Notre Dame and George Washington University. Donn admits that he is not an ES&H professional, but has a strong leadership background in several companies over the past 21 years. He stated that Bechtel focuses on competence. He has tried to boil down the complex ES&H administrative requirements into "ES&H Pocket Points" rather than exhaustive manuals. He wants to make it easier for workers to know the requirements. He looks for outgoing ES&H people that interface with the craft workers. He believes in "Boots on the Ground." They have a "Consequences" program that ensures a focus on the positive and the negative. Donn feels that their biggest problem is the ability of supervision and workers to recognize a hazard. Donn stated that he has about 700 safety staff members in Bechtel.

Jim Duffy, Lend Lease

Jim has been in Lend Lease since 1997 and has about 18,000 employees in the entire company. There are 2,000 employees in the Americas with 18 offices. Jim has responsibility for the operations in the Americas. They have worked with JMJ for a number of years and much of their "vision" is based on JMJ concepts. Lend Lease originated the Build Safe group of regional contractors and stakeholders to agree to a consistent safety standard across competitors sites.

Charles Darnell Roundtable

Jim Maddux, US DOL, OSHA was present to answer questions.

Tim Sirofchuck of Clark commented that all their cranes undergo a third party inspection upon arrival at a site. They have found that 50-60 % fail the inspection after others had inspected the crane. One example that caused their new program was the collapse of a crane on the Commandant's office at Walter Reed hospital. Tim commented that the consistency of the inspection is the key across the company. Bill Jackson said that they had the same problem and now they do annual third party inspections upon arrival before operation at the site. Bill's inspection program is implemented annually regardless where the crane is located. In Granite, equipment managers were energized by the peer pressure that resulted upon third party inspection failures. Cindy stated that she has the same program in Turner. Jeff Ruebesam from Fluor asked about overseas programs that use third party inspections. Andy asked about the extension of the program into aerial lifts.

David Kliwinski of Jacobs discussed his Beyond Zero Leadership Summit. They had a 2 ½ day summit to cover the roles and responsibilities of HSE staff and the functional managers. The representatives that attended spread the knowledge throughout their organizations. They are now taking the presentation to international locations. Much of the presentation was videotaped so others around the world could use it. The concept of “Crucial Conversations” was introduced. Much of the meeting involved how to communicate with others in a proactive and positive manner. The title of the book is “Crucial Conversations: Tools for Talking When Stakes are High” by Kerry Patterson et al.

Wilson Yancey has a scorecard that senior management uses to assess safety.

Jim Duffy and Lend Lease hold two safety stand downs each year... Halloween and April 28th which has significance for international operations as a memorial day for workers killed on the job. The stand downs are for thirty minutes.

Chris Handley from Layton discussed their 30-foot worker safety zone. When there is an incident, everyone within that 30-foot zone is interviewed because they are involved since everyone is responsible for safety. Chris said they are seeing real success when this 30-foot safety zone is enforced and emphasized.

Cindy issued a policy on ladders in her company. They require a permit to use a ladder vs. a scaffold or aerial lift. The data from Turner showed that many incidents occur while setting up or carrying a ladder. A superintendent or competent person must sign the permit. In January of 2012 they required the policy in new projects. One of the reviews involves an assessment of the ability to maintain three-point contact.

Hendrik talked about the “Safety Roadmap” that helps contractors understand requirements solutions. Examples involve the engagement of leadership and the resultant solutions which included teams that crafted corrective actions to the problems that were detected by the operational leaders.

Dave Bray discussed their quality program and how it as impacted HSE. He felt that quality is helping to drive HSE since the process and methodologies are basically the same.

Eric Grundke discussed their 33 districts that have a “Listen Up, Speak Up” program. They are seeing some benefit yet some push back in a few districts. Core Media had the original tool and now they are Caterpillar Safety Systems. Andy identified that the old Argonaut “Start” program is being updated and will be presented at the ASSE PDC in Denver.

Donn Grim discussed their ban on all cell phone use in vehicles, both hands-free and hand-held. It seems that non-U.S. operations are ahead of us and have more restrictions. Bechtel will not allow work discussions over cell phones in private vehicles. Only three companies in our group have total bans on all cell phone use.

OSHA Update by Jim Maddux, OSHA Construction Director

Jim stated that construction fatalities are down but because the work is low now. The rate is the same. He discussed a new study that identifies the cost of incidents – in 2007; the cost was \$250 Billion which includes direct and indirect costs and also occupational injuries. Heretofore we had not considered that parameter.

Jim said that the direct costs of falls are now at \$100,000.

A new construction standard is being developed to cover the prevention of deaths that occur as a result of back-overs. Another is reinforcing and post-tensioned steel construction. Jim invited us to comment on the proposed rules. There is a rule also in the works to require all vehicles to have back-up cameras. Tony stated that there are several devices that are under development to provide personal alarms that alert spotters and others to backing vehicles. Jim Maddux said that the research is being done in the mining industry.

Jim discussed several small issues that have surfaced that are being handled in their Standards Improvement Project. He also stated that the Confined Space rule is being massaged and is progressing nicely. Several small changes are being prepared for the Crane and Derrick Standard. In the future, the ASME hand signals may be published in the OSHA Standard. Jim says there are eight different sets of hand signals... some are inappropriate. Jim also stated that they are trying to limit the interpretive instructions in the Crane and Derrick Standard.

An update to the Hard Hat Consensus Standard and the method of gathering modern records is in the works. Their goal is to collect injury and illness data in a real time manner.

Tim Palmer asked about forklift attachments and when they result in inclusion of forklifts in the crane standard. Jim indicated that the rule-making committee felt that those rules were necessary because some companies might try to get around the crane requirements by using forklift attachments. Jim is going to check on the instances when there is no hoist but there is a hook in use.

The Injury and Illness Prevention Program was included in the 2010 Regulatory agenda and meetings are underway to review the proposed standard. A key issue is the controlling contractor problem. The Silica Proposal is in OMB and Jim thinks it will be delayed significantly. It could be the most comprehensive health standard ever developed.

Jim discussed the OSHA notification requirements which at this time are not deemed to be sufficient. There may be additional criteria that are included other than the “three people hospitalized” or fatality criteria.”

The Hazard Communication Standard was published last week and the impact in construction are minimal but there are new labeling and training requirements. New pictograms are now being used on labels. We may not need to focus on individual chemicals as we did in the past. Jim also talked about the numerous guidance products that OSHA has developed during the past year. Many new products cover residential construction issues and translations into Spanish.

Jim said that about 37,000 emergency room visits result from nail gun injuries. A joint NIOSH/OSHA publication on the subject was released in September 2011. Amazon Kindle sells the product for \$2.00. Additionally, a new *Construction Noise Pocket Guide* is available. OSHA is now giving more attention to small companies that have “two employees and a pickup.”

OSHA is preparing a *Fall Prevention Program* in 2012. There is a poster that can be downloaded and we can put our company logos on. Jim is looking for names of companies that want to be involved with OSHA in this effort.

Jim discussed incentive programs and the desired behaviors... those that push safety issues underground are being criticized. If a program is found that may limit the reporting of injuries it may be cited by OSHA. They are using the whistleblower rule. Jim said it is about human perception of the program. Jim expects progressive discipline programs and if there are specific rules that advertise removal if someone violates fall protection rules then that will not result in citations if the person falls. Jim admitted that there are no absolute enforcement rules regarding incentive programs... they are simply trying to advertise that there could be a “problem.”

Using BIM to Improve Construction Safety

Cindy DePrater from Turner Construction discussed the advantages of using BIM. Cindy stated that many students coming out of universities are very familiar with BIM. Cindy is making sure that the program is covered in orientation. Site logistics and material handling are being planned. The Solibri Model Checker will check slab openings, tie-off requirements and other parameters. One application is modeling the clearance distances from runways and crane operation swing radii. In one instance, they overlaid barricades and plans to escort traffic near active runways. Updates can be made almost immediately using the I-Pad. Checks can be made between virtual concepts and reality on the project.

Cindy said that 60% of her projects are using BIM now and they are achieving about an 18% increase in productivity using the process.

BCSP Items of Interest

Brad Giles updated the group on BCSP affairs. He stated that there are some group discounts upcoming on the Safety Trained Supervisor (STS) process. A new ASP certification (current ASP for persons on a path to CSP will continue) will now also be a terminal certification with a test for those who have no degree. Those with a degree will still have the ASP as a temporary designation until they take the CSP exam.

Oakland University in Detroit has a Masters in Safety Management distance learning program that can be reviewed at: <http://www.oakland.edu/shs/osh/>. They will give credit for those who already have a CSP. Brad stated that CSPs may also be able to get credit for that certification at other universities in the future.

Quanta Services Job Task Safety Analysis – Solving the Puzzle

First, Yancey Wilson touted their AED program... they have had two saves as a result. They spent 2.8 million dollars to equip all their jobsites.

Yancey transitioned into the subject above and talked about the efforts that Quanta has taken to educate their workers and supervisors on the Job Task Safety Analysis.

Mary Germershausen, Director of Program Development at Quanta Services addressed the group. She stated that attendees are asked to evaluate the training course by giving a survey at the end of the course. OSHA Document 3071, Job Hazard Analysis is a good basic source of information.

Mary showed several pictures that are used in training to coach workers on the conduct of an analysis. There were several illustrations that are used to test their ability to conduct a JTSA. Mary then reviewed the leader notes and how they instructed the trainers in the conduct of the class. She also showed a video that described the factors that caused the Tenerife ground collision in 1977.

Aerial Lift Safety Trends and Equipment

Jeff Stachowiak represents SAIA (Scaffold and Access Industry Association) and introduced several industry representatives who were here to demonstrate their equipment. Jeff is also the Safety Training Director for Sunbelt Rentals and is a member of the ANSI A92 Committee.

Jeff talked about the rental industry and that what they have available may not be what you need nor might it have the safest features. Safety pros need to know the applications and safety features of aerial lifts. Tony proposed that members of our group participate in a panel discussion at the upcoming SAIA annual convention at Huntington Beach, CA in July.

Jeff also showed many slides on new aerial lifts and Statements of Best Practices from SAIA that pertain to training and fall protection. He also stated that certain equipment items need to be proof-tested on projects if the company agreed to provide feedback.

Mike Ledden of the Lavendon Group in the UK has 20,000 platforms avail in Europe and the Middle East. Since 2008, 8 people have died due to entrapment and asphyxiation. Two dangers are impacting and crushing forces and compressive asphyxiation. The solution is a pressure-sensitive bar in front of the operating station that when pressed, activates and alarms. The problem is that people on the ground have to respond and get the person down by activating the ground controls. The pressure on the bar must be 80 pounds for six-tenths of a second.

Mike also discussed materials being lifted on the rails of scissors lift baskets. He showed a picture of a SkyRak® that supports materials but does not put pressure on the rails. There is also SkyRakplus® that can support larger bulky materials such as ducts. Another device is for articulating aerial lift baskets and does the same thing.

A JLG representative showed an enhanced control panel for protecting the operator called SkyGuard. It is simply a sensing bar mounted against the control panel. When leaned against with some force, the motion will stop immediately and a strobe and audible alarm activate. The motion bar momentarily

reverses the function when it is activated under a pressure of 50 pounds. The bar shears off under extreme conditions but is resistant to nuisance trips.

Human Performance Improvement

Babcock & Wilcox Company showed the HPI orientation program and then asked for our impressions as if we were a new laborer on the project. The emphasis is on leadership and organization although the orientation points out that employees may make the wrong choices.

The meeting was ended for the day at 4:30 PM by the chairperson, Andy Peters.

The group enjoyed a wine and beer social in the lobby and then adjourned to the hospitality room before walking down to Hyman's Seafood Restaurant for dinner.

Andy re-convened the meeting at 8:00 AM on Thursday, April 4th.

Safety Moment-Street Smarts

Tony O'Dea discussed a few street smarts to keep us safe as we travel around the country. Tony started with talking about distracted walking and how crooks victimize us when we aren't paying attention. It is critical that we remain aware of our surroundings. Shut off the technology and walk with a purpose... walk like you own the sidewalk. It is clear that the meek will be victimized. Look people in the eye and then walk on. When someone tries to get close to you and asks you for the time, do it then look away and walk off. Carry a wallet with dummy credit cards and a couple of bucks to use as a decoy that you can sacrifice. Keep your driver's license and real credit cards in a safe place... say a pocket. Don't walk in alleys or in lonely places where someone could jump out of the bushes. Tony talked about a book entitled "Fear is a Gift" by Gavin DeBecker which emphasizes that being alert, a bit fearful and very alert. If you are in danger, run toward people or a lighted area. If attacked, attract attention any way you can. Your car alarm is a great tool... keep your finger on it. Keep your car in a lighted public area and hide or take your valuables. As soon as you get into your car, lock it. If you approach your car and see a van parked next to it, be wary.

Skin Cancer

Ted Hillman talked about the risk of skin cancer in construction. We may joke about it, but for some folks who are susceptible, and most of us are, we will encounter many of our coworkers who have this disease at the dermatology office sooner or later. Wear a broad brimmed hard hat, use a good sun block and wear a long sleeved shirt. If you have a spot on your skin that looks suspicious, make an appointment at the dermatologist as soon as possible. If you have had just one episode of this disease, make regular semi-annual or annual visits to the dermatologist.

Your Home Safe Home - Off-the-Job Safety

Nancy Steorts, former Chair of the U.S. Consumer Product Safety Commission spoke about off-the-job safety. Recent statistics show that 38 million people seek emergency medical attention

every year. Falls are the #1 cause of off-the job injuries. Ladders, slick floors, missing railings on steps and other deficiencies cause these falls. Nancy thinks that every change in elevation, a step, for instance, needs a railing. Another problem is a lack of lighting. She is also very concerned about fires. Make sure a smoke and carbon monoxide detector is installed.

Another risk is swimming pools and spas. Nancy described a child's death from being partially sucked into the drain of a hot tub. New product safety legislation has provided greater policing powers. Nancy continued with many examples of accidents that resulted from poor planning and lack of awareness of safety practices.

Nancy suggested that we can take care for our families and employees by having a strong smoke detector program and focusing on railings, steps and lighting where there are elevation changes. She also suggested that helmets for bike riders and playground safety be emphasized as part of an overall off-the-job program. Nancy closed by reminding us to work with the media because of our great stories. They are very sensitive to safety issues.

Several members discussed what they are doing to enhance off-the-job safety from children's' safety calendars to speaking at high schools to methods of gathering off-the-job safety statistics.

Business Meeting

Emeritus Status

Mike McGuire and Bob Charles are approved by the membership for emeritus status.

Honorary Status

It was moved and seconded that we send a letter to Stew Burkhammer, Steve Cloutier, Jeff Meddin and PD Frey and ask if they are still interested in membership and if so, they must pay dues.

Don Hurley, once again hired by Zachary, was voted honorary status as he is now working for Carl Richardson, the regular Zachary member of NCSE.

Andy identified that we should be reviewing the emeritus membership status. Looking at the list, there are some that we never hear from and there is doubt that they should be maintained on the roster. Arnie, Bruce, Carmine, Jack and Bob were removed from the roster due to lack of participation.

New Member Approvals

Donn Grimm of Bechtel was unanimously approved for membership.

Brad Barber from CH2MHill was unanimously approved for membership.

Jeff Ruebesam of Fluor was unanimously approved for membership.

Jim Duffy from Lend Lease was unanimously approved for membership.

There are now 27 members.

MCSE Meeting at U.A.E.

A very worthwhile roundtable was held and Andy is very enthusiastic about the meeting results. Another meeting will be held in Dubai on May 2nd and 3rd. Dues are not charged; rather each participant takes turns hosting the meeting.

Treasurer's Report

The last meeting expenses were \$11,326.49. and currently there is over \$23,000 in the bank. Our expenses for this meeting should be near \$10,000, leaving a balance near \$13,600 with accounts receivable in dues still outstanding in the sum of \$4,800. All members were provided invoices last fall and were very diligent in paying dues. Tim thanks you!

Roster Review

With the participation of Herzog's new replacement for Mike McGuire, there will be 28 members. Two new members (Weeks Marine and Mortensen) will be considered at the fall meeting bringing our potential total to the chartered number of 30.

Incident Rate and Salary Statistical Survey

Twelve members did not submit the requested statistics, therefore, Andy directed that Gary will re-send the request for data. It was determined that an agenda item at the fall meeting will be a discussion of the utility of the annual NCSE statistical survey. Several members believe that leading indicators must be included. Andy agreed that if a company wants to opt out, they may do so.

Openings and Invitations to the Next Meeting for Membership Consideration

Weeks Marine and Mortensen Construction will be invited to Napa for presentations as prospective new members.

Meeting Arrangements

The fall, 2012 meeting will be at the Napa Marriott Hotel in Napa, California on October 3-4, 2012. Their address is 3425 Solano Avenue, Napa, CA 94558. The phone number for reservations is 707-253-8600 and their website is <http://www.marriott.com/hotels/travel/sfonp-napa-valley-marriott-hotel-and-spa/>. The full instructions for making reservations are at the end of these minutes.

The spring 2013 meeting in Myrtle Beach will be held April 10-11, 2013. We will research the hotel options and let the membership know as soon as possible.

The fall 2013 meeting will be in Sedona, AZ and we are currently asking for hotel availability for two meeting dates, October 2-3 and October 9-10.

NCSE Website

Andy asked if we want to retain our Google website which is fairly "informal" or does the membership desire to develop a more accessible and professional looking website? Rich will send a link to the website with the minutes. We will discuss this at the next meeting

Draw In the Line

Warren said that during his last 30 years in the field he has seen many managers “Draw In the Line” but of those, quite a few were not engaged. He illustrated the optimum methods to implement safety on a project by understanding the point of view of the foreman.

San Diego Airport Landside Project

Paul Levin showed the San Diego Airport Landside Project that Kiewit/Sundt are working on in conjunction with the airside project led by Turner/PCL. BIM was used extensively.

I-Pad Technology to Improve Safety

Kevin Miller of URS discussed the technology that will help implement safety and allow more time for the presence of our safety coordinators and supervisors on projects. More and more are using pads in lieu of clipboards. Since there is touch ability rather than a stylus, it is much more efficient in the field. The ability to open a procedure in the field and work with a supervisor or worker to review the requirements is very valuable as is the ability to take pictures and take notes. Doing incident investigations is much easier because of the photo capability and ability to record witness statements.

Dropbox is used to store procedures and reports. Another application is called Journeyman (\$100) and it can do a variety of construction administrative functions. Kevin showed other applications and reports that are depicted on his I-Pad that reflect the safety and health capabilities. One included an application that is used to measure the slope angle on excavations.

Kevin confirmed that he spends about 98% of his time in the field since he has all the tools he needs in his I-Pad. There are issues, however, such as glare, the legality of some apps and screen freeze-up. Also, it is not intrinsically safe for flammable environments, thus there are some chemical plants and refineries where it will not be allowed.

Contact Kevin at kdmler@wch-rcc.com if you have questions.

Soft Tissue Injury Prevention - Stretch and Flex

Patrick Clark from Zurich Insurance had us stretch and commented that we had to hold a stretch for about 15 seconds so the brain would allow the muscles to elongate (stretch). He works in a Zurich department called Absence, Health, and Productivity Services. He identified that strains and sprains are the leading cause of lost days in the construction industry.

Patrick stated that there is an analogy between sports and construction. The physical nature of the two activities is much the same. Stretching may improve flexibility, range of motion, circulation, improvements in posture, stress relief and help prevent injuries.

Kevin said that their program is unique because they conduct a needs assessment that identifies where injuries occur at the site and what the activities are. They develop a customized program that divides up particular muscle motions by job class. They also establish metrics whereby the program’s measurement variables are determined. They ensure consistent education and training. Kevin stated that the absolute results may not be apparent for 3 years. The Zurich program has many materials including a master document, leader’s guides, wallet cards, banners and posters.

Customer impacts from stretch and flex programs showed a 61% reduction in strain and sprain frequency and a 30% reduction in strain and sprain severity.

Charles Darnall Roundtable (Continued)

Tony introduced the subject of contractor qualifications. Hendrik uses Construct Cure and everyone agrees it is the best. We had previously had a presentation from that group, perhaps three years ago.

Andy stated that some clients demand unrealistic certification and experience requirements. Hendrik added that he was facing the same problem on occasion.

Brad touted the advantages of STS. He said that study guides are helpful to achieve the certification.

Next Meeting Content

We discussed new meeting topics and the size of the group for the Roundtable discussions. It was decided that breaking up into smaller groups would not be prudent. Tony mentioned that we need to identify our attendees at the aerial lift conferences that were discussed by the vendors who visited this week.

Andy dismissed the meeting at 4:00 PM.

We will see you in Napa, California for the fall 2012 NCSE meeting on October 3-4, 2012. The meeting will be held at the Napa Valley Marriott Resort and Spa.

You have until September 02, 2012 to secure your reservations directly with the Napa Valley Marriott Hotel and Spa. Don't wait until then, as the room block may fill up and you may not be able to stay in the conference hotel, and most likely will pay a higher rate at nearby hotels. **Call the Marriott hotel directly at 707-253-8600 and ask for Angel Rojas in the Sales Department to make your reservations and make sure you get the reduced rate of \$199 per night, single or double. When making your reservations, identify the group as the National Construction Safety Executives. Make sure that you call Rich Baldwin at 303-909-3927 if there are any hiccups with the process.** The hotel website is <http://www.marriott.com/hotels/travel/sfonp-napa-valley-marriott-hotel-and-spa/>. Let's shoot for full attendance and please plan to stay until the end of the meeting.

Remember to refer to the NCSE website for copies of the numerous presentations from this meeting.

Respectfully,

Andy Peters, Chairperson
Tony O'Dea, Vice Chair
Rich Baldwin, Secretary

Attachment: Oakland University CSP to BS OSH Degree

Oakland University, Detroit, MI - CSP to BS OSH Degree Completion

Bachelor of Science in Occupational Safety and Health completion sequence for Certified Safety Professionals

The School of Health Sciences offers the Certified Safety Professional (CSP) an opportunity to earn a Bachelor of Science in Occupational Safety and Health through a CSP to BS OSH completion program. The student outcomes and educational objectives established for the B.S. OSH program are the same for traditional and CSP students including course objectives and teaching methodologies.

Students who have satisfactorily completed a regionally accredited associate or baccalaureate degree and who possess a valid, current CSP certification may apply for admission to the CSP to BS OSH Degree Completion Program. A cumulative GPA of 2.50 or better is required for admission to the CSP to BS OSH degree completion sequence.

Certified safety professionals with a GPA below 2.50 may be admitted to the University under pre-CSP – OSH status and change to CSP –BS OSH status upon completion of a minimum of 12 credits (applicable to the OSH program) at Oakland University with a GPA of 2.50 or higher.

Certified safety professionals must complete all credits and/or courses required in the B.S. OSH degree program. Completion may be achieved in the following manner:

1. Graduates from a regionally accredited associate or bachelor degree program may transfer a maximum of 62 credits from community colleges that apply to the B.S. OSH degree program requirements. In addition, 22 Occupational Safety and Health credits will be granted through a course competency process. This process includes:
 - a. Successful completion of the CSP examination.
 - b. Evidence of a valid, current CSP certification.
 - c. Registration for competency credits as per the OU Undergraduate Catalog.
 - d. Registration for approved competency credit courses to include OSH 100, 225, 235, 331, 332, 333, 441, and 442.

2. Students seeking a Bachelor of Science degree with a major in Occupational Safety and Health must complete a minimum of 125 credits as outlined in official Oakland University catalog. The minimum required courses may be satisfied through a combination of credits delivered by Oakland University, transfer credits from regionally accredited institutions of higher education, and CSP competency credits. A minimum of 32 credits must be upper division credits from Oakland University.