

SAFETY matters

NEWS AND INFORMATION FROM THE UTAH SAFETY COUNCIL

Energize Safety: Launching Performance and Culture

Do you want to generate the power to change your company's future? Practice energizing safety within your company. Frequently organizational safety cultures just seem to be going through the motions. Rounds of required training, repeated without change year after year. Here are six tips to help you "Energize your Safety Program".

1) Every safety training should be filled with demonstration and participation complete with practical tips for participants. Fill your safety communications and trainings with demonstrations, surprises and techniques that are exciting and personally doable.

2) Discard going through the motions. Throw out the old tell 'em again and again approach. Change it up – this will carry energy even when your

Preventing Injuries When Working with Hydraulic Excavators and Backhoe Loaders

(page 2)

Where's the Spill Kit?

(page 4)

Prevention Strategies for Construction's Focus Four Hazards

(page 5)

Meet Our Board

(page 6)

Success Through Safety: Fresenius Medical

(page 7)

The ultimate enemy of change is not resistant people - experience shows this can be turned around remarkably quickly with the right approach.

delivery isn't totally perfected. Rotate signs and messages; don't leave them to grow stale and unnoticed.

3) Try not to make your communications come across flat. Others may think they know what you're going to say and tune you out. If you wish to see improved actions in others, lead by being receptive to new ways and procedures.

4) Get away from a mostly intellectual/wordy/ philosophical approach to safety. Involve everyone in your safety meetings as much as possible. New PPE? Don't just describe or show it – pass it around for people to try. Look for opportunities to turn safety

into hands-on interactive activities.

5) Communicate that the highest-level of safety is much more than just preventing things from occurring that no one really thinks it will happen to them. It's about living your life well, having the energy and skills to do what's best.

6) Find ways to deputize workers and managers into becoming active agents of safety change. Go beyond delegation or "forced involvement" to harnessing others' passions, directed toward safety objectives.

There are many strategies for magnetizing vibrant safety performance and culture. It's possible to do so in even the most stagnate environments. We invite you to set your safety sights and actions high.

Source: Strategic Safety Association 2007



Your partner in developing effective occupational, traffic and home safety programs.

PREVENTING INJURIES WHEN WORKING WITH HYDRAULIC EXCAVATORS AND BACKHOE LOADERS

Workers who operate or work near hydraulic excavators and backhoe loaders are at risk of being struck by the machine, its components or by excavator buckets that detach from the excavator stick. The *National Institute for Occupational Safety and Health* (NIOSH) recommends that injuries and deaths be prevented through training, proper installation and maintenance, work practices and personal protective equipment.

A NIOSH review of the Bureau of Labor Statistics Census of Fatal Occupational Injuries data identified 346 deaths associated with excavators or backhoe loaders during 1992–2000. Review of this data and of NIOSH’s Fatality Assessment and Control Evaluation cases suggests two common causes of injury: (1) being struck by the moving machine, swinging booms, or other machine components; or (2) being struck by quick-disconnect excavator buckets that unexpectedly detach from the excavator stick. Other leading



causes of fatalities are rollovers, electrocutions, and slides into trenches after cave-ins.

Controls:

Employers should take the following steps to protect workers from injury while working with excavators or backhoe loaders.

Mark Your Calendars for National Safety Month

The 2007 Theme is

“CELEBRATING SAFE COMMUNITIES”

We will be providing posters, safety risk & tip sheets and injury prevention information for making businesses, homes, roadways and all places in-between safer for all of us. To assist in your planning, each week of the month will have a specific focus.

The weekly themes are:

- ▶ Work Place Safety
- ▶ Driving Safety
- ▶ Emergency Preparedness
- ▶ Safety in the Home and Community



To receive e-mail updates about National Safety Month, send an e-mail to safety@utahsafetycouncil.org

Safety Matters is

published quarterly by the UTAH SAFETY COUNCIL. If you would like to submit items for publication in the newsletter, send them to:

UTAH SAFETY COUNCIL
1574 West 1700 South, Suite 2A
Salt Lake City, Utah 84104

Phone: (801) 478-7878

Toll Free: (800) 933-5943

Fax: (801) 478-0884

Web Site:

www.utahsafetycouncil.org

President: Robert F. Parenti

Editor: Sarah Barrett

Site Set-Up

- Contact local utilities and other responsible parties to locate overhead and underground utility lines before beginning work.
- Avoid working near overhead power lines. If you must work near them, develop a plan to avoid contact and to follow OSHA regulations for minimum clearance [29 CFR 1926.550(a)(15)].
- Do not permit hydraulic excavators or backhoes to operate on grades steeper than those specified by the manufacturer.
- Make sure that workers position machinery at a safe distance from excavations, such as trenches.

Equipment Operators

- Train equipment operators in the proper use of the equipment they are assigned to operate. Be sure to follow manufacturers' specifications and recommendations.
- Continually evaluate safety programs to address changing conditions at the worksite.
- Clearly identify and label all machine controls and make sure that the manufacturers' safety features are working.



- Install and maintain equipment attachments and their operating systems according to manufacturers' specifications.
- Securely latch attachments (such as quick-disconnect buckets) before work begins.
- Follow the manufacturer's instructions for using positive locks on quick-disconnect equipment.
- Train operators to conduct visual and operational checks on all machine systems and operating controls before working the machine.

- Make frequent visual inspections of quick-disconnect systems—especially after changing attachments.
- Use the *Roll Over Protective Structure (ROPS)* and seat belts supplied by the manufacturer. Do not remove the ROPS.
- Do not exceed load capacities when lifting materials.
- Instruct operators to lower the boom to a safe position with the bucket on the ground and turn off the machine before stepping off for any reason.

Other Site Workers

- Train site workers to recognize and avoid unsafe conditions and to follow required safe work practices that apply to their work environments.
- Make all workers on the site aware of the machines' established swing areas and blind spots before the operator works the machine.
- Keep workers on foot outside these areas by marking them with rope, tape, or other barriers.
- Before each work shift begins, review and confirm communications signals between machine operators and workers on foot.
- Instruct machine operators to keep the bucket as close to the ground as possible when workers are attaching loads for hoisting.
- Keep workers outside the hydraulic excavator swing areas and clear of attachments when using the machines for hoisting materials.
- Do not allow workers to stand under suspended loads or suspended machine components such as the boom, arm, or bucket.
- Do not permit workers on foot to approach the hydraulic excavator or backhoe loader until they signal the operator to shut down the machine and receive acknowledgment from the operator.
- Use spotters or signal persons around operating equipment when necessary.
- Never permit workers to ride in or work from excavator or backhoe loader buckets.
- Provide appropriate personal protective equipment and make sure that workers use and maintain it.

Source: www.cdc.gov.niosh

Where's the Spill Kit? And What's In It?



If you work around corrosive materials, do you know where the spill kit is kept? Do you know what's in it?

Place spill kits near areas

where they might be needed, and make sure they are easily accessible. Check the kits periodically and re-stock them if they are used.

The contents of the kit should be specific to the chemicals used at your facility. **Be sure that your kit includes:**

- Proper personal protective equipment (PPE), appropriate absorbents for the corrosive materials used
- Clean-up and disposal materials, and other items for specific hazards.

PPE

The kit should always contain PPE necessary to safely respond to a spill. The material safety data sheet (MSDS) for the chemical will list the PPE that should be used. Items commonly included are:

- Goggles and a face shield
- Corrosive-resistant gloves and booties
- Disposable lab coat and corrosive apron
- Appropriate respiratory protection

Absorbents

All-purpose absorbents are good for spills of most chemicals, including acids and bases. Acid and base spill neutralizers are also available. For some materials, inert absorbents like vermiculite, clay or sand can be used for cleanup.

Some very dangerous corrosives require special absorbent materials and cleanup methods. Again, read the MSDS to know about these requirements before an incident occurs.

Cleanup materials: The following materials are commonly included in a spill kit:

- A plastic dust pan or scoop
- Plastic bags for PPE waste
- Plastic pail for spill residues and waste

Be sure to check the MSDS to:

- Determine if your corrosive material is incompatible with certain materials
- Supply your spill kit with appropriate alternatives

Other

Some chemicals present unique hazards that require special spill response materials. For example, if Hydrofluoric acid is present, Calcium Gluconate Antidote gel should be included in the kit. Mercury also requires special spill cleanup materials. Certain alkali metals may require Class D fire extinguishers.

Responding to a spill

If you are involved in cleaning up or dealing with minor spills of corrosives, remember the following points:

- Check the MSDS for cleanup procedures and hazards of the material
- Always wear the proper PPE
- Do your best to safely stop the leak and contain the spill
- Prevent the material from reaching drains, storm sewers, or ditches
- Use proper materials for cleanup
- Follow proper disposal procedures for the resulting waste

If you have not received training, do not respond to a chemical leak or spill. Instead, follow your company's emergency plan for reporting leaks and spills and evacuating.

Source: SafetyClicks 2006

Stay safe by knowing the answers before an incident occurs.

Free Construction- Small Business Course to be Offered in August



The *Prevention Strategies for Construction's Focus Four Hazards* course is being added to the Utah Safety Council's 2007 training calendar. The course is made possible through an OSHA Susan B. Harwood grant that was awarded to the National Safety Council. Salt Lake City is one of several sites throughout the country where the course will be offered. The course is free of charge to any small business entity employing less than 250 employees. This course will be conducted on August 16, 2007 at the office of the Utah Safety Council, 1574 West 1700 South, in Salt Lake City. Registration priority will be afforded to construction or construction related organizations.

OSHA has identified four major hazard areas in the construction industry that will be addressed in this train-the-trainer course.

- 1) Falls
- 2) Electrocution
- 3) Excavation and Trenching
- 4) Struck-by Incidents

Participants will gain the knowledge and basic skills to:

- Define commonly used terms relating to the

Focus Four hazards

- Recognize regulatory standards and requirements pertaining to the Focus Four hazards
- Recognize the importance of identifying, controlling, and eliminating common construction hazards as a means of preventing deaths, injuries and illnesses
- Identify the specific hazards relating to falls, electrocutions, excavation and trenching, and struck-by incidents that cause the most injuries and fatalities
- Identify specific prevention strategies for falls, electrocution, excavation and trenching, and struck by incidents
- Recognize risk-taking behaviors relating to the Focus Four hazards and identify suggestions for addressing them

This program will give participants the knowledge and tools required to teach their employees to recognize and prevent hazards in OSHA's Focus Four hazard areas. A Participant Guide and Pocket Reference Guide is provided to each attendee.

For additional information contact Trevor at (801) 478-7878, ext. 304. or (800) 933-5943, ext. 304.



GRAB & GO PORTABLE SPILL KIT

An easy-to-use, portable kit for quicker response to spills.

With this handy kit, you'll get clean-up supplies, a container to carry used absorbents, and an instruction sheet -- all in one. The kit contains enough universal sorbents to hold up to 5 gallons of liquid spills.

Kit CONTAINS:

- (4) 3" x 4' SORBENT SOCKS
- (5) 12" x 12" SORBENT PADS
- (1) PAIR NITRILE GLOVES
- (1) PAIR SPLASH RESISTANT GOGGLES
- (1) EMERGENCY RESPONSE GUIDEBOOK
- (1) 5-GALLON PLASTIC BUCKET

**\$71.49
Each**

To order contact Jeff at (801) 478-7878, ext. 302, outside the Salt Lake Metro at (800) 933-5943, ext. 302. or e-mail him at safety@utahsafetycouncil.org.

THANK YOU!

SUSTAINING MEMBERS

AMERICAN EXPRESS
ASPEN DISTRIBUTION
ATK THIOKOL PROPULSION
FREEMPORT CENTER ASSOCIATES
GARKANE ENERGY COOPERATIVE INC.
HOLLY REFINING & MARKETING
INTERMOUNTAIN HEALTH CARE
KENNECOTT UTAH COPPER
L-3 COMMUNICATIONS
MORTON SALT
PEPPERMILL RAINBOW & MONTEGO BAY CASINOS
QUESTAR REGULATED SERVICES
ROCKY MOUNTAIN POWER
ROY CITY CORPORATION
SALT PALACE CONVENTION CENTER & SOUTH TOWNE EXPO CENTER
SIERRA PACIFIC POWER COMPANY
STAKER & PARSON COMPANIES
THE CHURCH OF JESUS CHRIST OF LATTER DAY SAINTS
UTAH DEPARTMENT OF PUBLIC SAFETY
WESTINGHOUSE, WESTERN ZIRCONIUM WORKERS COMPENSATION FUND

CONTRIBUTING MEMBERS

A-PLUS BENEFITS
AEROTECH MANUFACTURING INC.
ALTVITY PACKAGING
AMES CONSTRUCTION, INC.
BALLARD MEDICAL PRODUCTS/
KIMBERLY CLARK
BARNES AEROSPACE OGDEN DIVISION
BD MEDICAL SYSTEMS
BIG D CONSTRUCTION
BRODERICK & HENDERSON
CONSTRUCTION
BUILD, INC.
BURDICK PAVING
CARQUEST AUTO PARTS

CHEVRONTXACO PRODUCTS COMPANY
CLEASBY OF UTAH
DAVIS SCHOOL DISTRICT
ENERGY SOLUTIONS
FLYING J TRANSPORTATION INC.
GENEVA ROCK PRODUCTS INC.
GREAT SALT LAKE ELECTRIC
HARRIS & HART INC.
HUISH DETERGENTS
INFINITY INSURANCE
INNOVATIVE STAFFING
INSURE-RITE
JARDINE PETROLEUM
JOY MINING MACHINERY
KALTECH INT. LLC.
KERN RIVER GAS TRANSMISSION COMP.
KOMATSU EQUIPMENT COMPANY
LA-Z-BOY OF UTAH
MEADOW GOLD DAIRY
MERIT MEDICAL
MOOG AIRCRAFT-MONTEK COMPANY
MORTON SALT
NELCO CONTRACTORS INC.
NEWAYS INTERNATIONAL
NIELSON CONSTRUCTION INC.
NU SKIN ENTERPRISES
O.C. TANNER COMPANY
OKLAND CONSTRUCTION CO. INC.
OVERSTOCK.COM
QWEST
RASMUSSEN EQUIPMENT
ROCKY MOUNTAIN RECYCLING
ROOFERS SUPPLY, INC.
SALT LAKE CITY SCHOOL DISTRICT
SEI STEEL ENCOUNTERS, INC.
SELECT COMFORT
SOUTH VALLEY WATER RECLAMATION DIST
THE LAYTON COMPANIES
TRI-PHASE ELECTRIC
UNISYS CORPORATION - BEIJING
UNITED STATES GYPSUM CO.
USANA, HEALTH SCIENCES

UTAH STATE UNIVERSITY ENV. HEALTH & SAFETY
UTE INDIAN TRIBE
UNIVERSITY OF UTAH - RMCOEH
WESTERN METALS RECYCLING
WESTERN PIPE FABRICATIONS
WHEELER MACHINERY CO.
WHITAKER CONSTRUCTION
WILLIAMS NORTHWEST PIPELINE
WOODLAND FURNITURE
W.W. CLYDE & COMPANY
ZERO MANUFACTURING INC.

WELCOME NEW MEMBERS

APPLIED COMPOSITE TECHNOLOGY
ASPEN PROPERTIES
ASSOCIATED RETAIL STORES
BUILT RIGHT, INC.
CARLISLE SYNTEC, INC.
CARTOW
DYNO NOBEL, INC.
FIRESTONE BUILDING PRODUCTS CO
INTERMOUNTAIN WEST ENERGY, INC.
JUDD JONES REFRACTORY
LYNX & COMPANY LLC., DBA DRYLOC
MEDICAL TECHNOLOGY INDUSTRIES
METRO GROUPOVELL, INC.
PIONEER DRILLING COMPANY
SUPRA NATURAL
UTAH NURSERY & LANDSCAPE ASSOCIATES
WASATCH ACADEMY
WATER REMEDIATION
WESTWOOD MILL & CABINET

Meet Our Board

The Utah Safety Council is governed by an 18 member volunteer Board of Directors comprised of business and civic leaders. The board is responsible to assure that the over-all program objectives of the Utah Safety Council are kept clearly in focus and that the goals of each of the work units of the Utah Safety Council function for the sole purpose of furthering accident prevention. One board member will be highlighted in each future issue of *Your Safety Matters*.

Don Sorensen was appointed to the Utah Safety Council Board of Directors in September 2004. He currently holds the office of First Vice President of the council, he is a member of the Executive Committee and is Chairman of the Membership Committee.

Mr. Sorensen is currently the Vice President, Tesoro Refining and Marketing Company, Salt Lake Refinery. In 1989, he received his Bachelor of Science Degree in Chemical Engineering and

Petroleum Refining from the Colorado School of Mines in Golden Colorado. He began his career as a Process Engineer for Shell Oil's Anacortes Refinery in Anacortes, Washington. He joined Tesoro in 1998 and has served in a variety of management positions since that time.



Don J. Sorensen Vice President,
Tesoro Refining & Marketing Company

Success Through Safety 2006 Individual Achievement in Safety Award Recipient Mr. Walt Evans

The Individual Achievement in Safety Award is given to one individual each year to recognize dedication and personal motivation in developing a safe and healthy workplace environment. These are specific traits possessed by Mr. Walt Evans, Senior Environmental Health & Safety Manager at Fresenius Medical Care.



Mr. Walt Evan's (right) receiving the Individual Achievement in Safety Award from Robert Parenti, President of the Utah Safety Council.

Fresenius Medical Care is a Pharmaceutical Manufacturing Plant located in Ogden, that prepares products and other disposable devices used by persons suffering from kidney disease requiring dialysis procedures.

For the past several years, Walt Evans has been the only Environmental Health and Safety Professional assigned to the Ogden plant's one million square foot, 20 acre facility and its 1,300 employees on a 24-7 basis. He handles all safety related issues, environmental processes, recycling permits, emission reduction reporting, workers compensation cases and provides health and safety leadership and direction.

Mr. Evans' efforts have been pivotal in terms of formulating new safety concepts and in providing direction to the Fresenius corporate culture. Walt has been successful in developing and leading a high performance safety environment that fosters the characteristics needed to achieve world-class

status. Through hard work and example, he has developed a vision of what safety excellence must look like.

He has nurtured credibility by communicating honest information, asking for ideas and following up on suggestions even if it means interacting with one employee at a time. He fosters collaboration with all directors and supervisors by encouraging input on plant safety issues. He recognizes the value of employee feedback and utilizes those tools to celebrate safety achievements. His efforts have resulted in elevating safety to a core value within the company. A value that is now recognized and accepted by the entire workforce.

As a result of Walt's dedication, the OSHA recordable rate for the company has been cut in half from 3.7 in 2003 to 1.66 in 2006.



Fresenius Medical Care

Success Through Safety!

We want to recognize the successes of our members! Let us hear about your success stories resulting from your safety and health program so that they can be highlighted in *Safety Matters* and shared with our readers. Please mail, fax or e-mail your story to:

1574 West 1700 South, Ste. 2A
Salt Lake City, UT 84104
Fax: (801) 478-0884
safety@utahsafetycouncil.org

5-MINUTE SAFETY TALKS (NEW PRODUCT)

Just five minutes can help keep safety at the top of your mind year-round. *5-Minute Safety Talks* give you a year's worth of topics for your safety meetings - and then some. Each volume has 16 fully-scripted laminated cards with text in both English and Spanish. Now with 3 different volumes to choose from!

Some of the topics covered include:

- Cold Weather PPE
- Eye Protection
- Ladder Safety
- Hearing Protection
- Driving Defensively
- Heat-Related Illness
- Hand Tool Safety
- Manual Operator Risks
- Working Overtime Risks
- Protect Your Hands
- Sprains and Strains
- Watch Your Step
- Safety Belts
- Fire Safety
- How to Treat A Burn
- Carbon Monoxide
- Incident Investigation
- Choking
- First Aid Training
- Back Safety
- Carpal Tunnel Syndrome
- Bloodborne and Airborne Pathogens
- Is Your Confined Space Safe For Entry?
- Sudden Illness Signs and Symptoms

Member \$39.95, Non-Member: \$47.95

You can view a sample *Safety Talk* at www.utahsafetycouncil.org under the *Safety Products* section of our website. To order contact Jeff at (801) 478-7878, ext. 302, outside the Salt Lake Metro at (800) 933-5943, ext. 302. or e-mail him at safety@utahsafetycouncil.org.



Promoting Health, Protecting Life

1574 WEST 1700 SOUTH, SUITE 2A
SALT LAKE CITY, UTAH 84104

Non-Profit Org.
U.S. Postage
PAID
S.L.C., UT
Permit No. 4978

ADDRESS SERVICE REQUESTED

THE MISSION OF THE UTAH SAFETY COUNCIL

is to promote safety and health by

providing education, services and

products.