

**BAY AREA
ENVIRONMENTAL
SAFETY
GROUP**

**MEETING
TIME AND
LOCATION**

Wednesday

Feb. 20, 2007

11:30 am— 1:00 pm

Arthur's Restaurant

2875 Lakeview Dr.
Santa Clara.

For Directions,
go to
www.baesg.org

RSVP at

BAESGresv@comcast.net

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Safety Insider

FEBRUARY 2008

February Meeting Announcement Ergonomic Products; What's the Best Fit for your Company?

Presented by

**Jeanne Iverson,
Certified
Industrial
Ergonomist
and Principle,
VSI Risk
Management &
Ergonomics Inc.**

budget. Ms. Iverson will provide you with the knowledge needed to make the right vendor connections to improve your companies safety culture. Se-

What makes a product “ergonomic” and how do you select the appropriate ergonomic product(s) for your employees without spending your entire budget. From cubicle furniture installation to key-boards, mice, and pipettes, come experience a hands-on learning activity and overview of the most recent and up-to-date ergonomic products on the market that may best fit your employees needs and your company’s

lected ergonomic products will also be available for review and evaluation. When combined with training, ergonomic assessments and safe work practices, this approach will help you apply the best solutions for the wellness of your individual employees. Especially since, what fits for one person may not necessarily fit another.



Editors Corner

Welcome to the first edition of the Safety Insider for 2008. You will notice, that not only is there a new editor, but this publication looks different than editions from the previous several years. I've decided to change the



appearance and layout of this just as a change of pace.

I also want to thank those that came before me and acknowledge the great job that they did in bringing relevant information



**Your New
Newsletter Editor**

Names, contact information, and profiles of the Board are posted on the BAESG website



Editors Corner, continued

to the community that is the Bay Area Environmental Safety Group. I really look forward to undertaking this endeavor, and hope to maintain this publication as one that is useful to all of you.

In light of that, I invite BAESG members

to contribute to this publication. You are welcome to contribute original articles, and references to articles and news items from other EHS publications.

Calendar events and job listings also make up an important part

of this newsletter.

Forward contributions to baesg.jobs@gmail.com by the 25th of the month to appear in the next months publication.

cheers,

Roy Dojahn

BAESG Newsletter
Editor, 2008

New Board of Directors

2008 heralds a (partial) changing of the guard, as there are three new members of the BAESG Board of Directors. The lineup for this year includes:

Lana Spencer, President;

Jason DeCostello,
VP of Programs,

Rob Singh, VP of
Treasury;

Mark Gordon,
Secretary;

Jim Healy,
Membership Dir.,

Roy Dojahn,
Newsletter Ed.;

Michael Hall,
PDC Coordinator,

Bill Goldmacker,
Webmaster

(new members are in
boldface type).

Help Plan the 2008 PDC

This year marks our Sixth Annual Professional Development Conference. Michael Hall, of the Environmental Training Center at Mission College will

be directing the planning efforts for 2008. The first planning meeting is scheduled for Thursday, February 28 and will take place at Mission

College. For more information or to get involved, contact Michael at:
Mike_Hall@wvm.edu.

2007 Professional Development Conference

The sponsors of our PDC donate the moneys that are used to distribute scholarships to students in local EHS educational programs. The sponsors for 2007's event are listed at right:

**ADVANCED
CHEMICAL
TRANSPORT**

**ASHTEAD
TECHNOLOGY
RENTALS**

**CATALYST
ENVIRONMENTAL**

**ENVIRONMENTAL
TRAINING
CENTER**

**GENERAL
ENVIRONMENTAL
MANAGEMENT**

RAE SYSTEMS

*Thanks to these
Sponsors of the
PDC for their
generous
donations.*

Thanks to Holiday Raffle Prize Donors

The 2007 Holiday Party was great fun. Attendees enjoyed an evening of great networking, delicious food, and plenty of drink. The evening was capped off by a raffle that featured wonderful prizes: The donors and prizes were:

**Catalyst Environmental—
Gordon Biersch Gift
Certificate;**

**Decon Environmental—
Golf Balls & Starbucks
Cards;**

**Environmental Training
Center—Training Certs
& Starbucks Cards;**

**TGO Solutions—
Starbucks Cards;**

ECS Refining—Gift Box;

**HazardSolutions—
Starbucks Cards ;**

**VSI Risk Mgmt-
Ergo keyboards;**

**Ashtead Technologies-
Gourmet Chocolates;**

**Intematix Corp- LED
Christmas Lights;**

**United Datatech-
Gift Basket ;**

KPA- Dinner Gift Cert;

**Santa Clara VTA-
Monthly Pass and 2 Tix
to SJ Ice Skating;**

**Enviro Safetech-Hard
Hat and Survival Kit;
Air Gas- Tool Bag with
safety sunglasses
and work gloves**



New DOT Hazmat Safety Rule Limits Carry-on of Lithium Batteries

From Occupational Health and Safety, January 1, 2008

Due to a new federal safety rule that is effective today, passengers are no longer be able to pack loose lithium batteries in checked luggage. The new regulation, designed to reduce the risk of lithium battery fires, will continue to allow lithium batteries in checked baggage if they are installed in electronic devices, or in carry-on baggage if stored in plastic bags.

Common consumer electronics such as travel cameras, cell phones, and most laptop computers are still allowed in carry-on and checked luggage; however, the rule limits individuals to bringing only two extended-life spare rechargeable lithium batteries, such as laptop and professional audio/video/camera equipment lithium batteries in carry-on baggage.

"Doing something as simple as keeping a spare battery in its original retail packaging or a plastic zip-lock bag will prevent unintentional short-circuiting and fires," said Krista Edwards, deputy administrator of the U.S. Department of Transportation's Pipeline and Hazardous Materials Safety Administration.

Lithium batteries are considered hazardous materials because they can overheat and ignite in certain conditions. Safety testing conducted by the FAA found that current aircraft cargo fire suppression system would not be capable of suppressing a fire if a shipment of non-rechargeable lithium batteries were ignited in flight.

"This rule protects the passenger," said Lynne Osmus, FAA assistant administrator for security and hazardous materials. "It's one more step for safety. It's the right thing to do and the right time to do it."

In addition to the new rule, PHMSA says it is working with the FAA, the National Transportation Safety Board, the Consumer Product Safety Commission, the battery and airline industries, airline employee organizations, testing laboratories and the emergency response communities to increase public awareness about battery-related risks and developments. These safety tips are highlighted on its Web site at <http://safetravel.dot.gov>

Ergonomics and Measurements

From Ergonomics Newsletter, Jan 2008 <http://www.occupationalhazards.com>.

By William H. Kincaid, P.E., CSP

It seems every ergonomics conference includes a session on quantifying and measuring ergonomic stressors. This reflects the importance of measurements to ergonomics.

Certainly in many situations, measurements of ergonomic stressors are useful. Measurements give us our points of comparison to standards, recommendations, regulations or the theoretical "ideal." It makes sense to know how and why to take them.

First, what are we measuring? We need to take measurements of our basic ergonomic stressors -- force, posture and repetition -- and in some cases, factors such as vibration, temperature, lighting, etc.

We may weigh lifted items, measure the angle of a worker's back or count the number of task cycles in a time period. Relatively simple tools are used, such as a tape measure, a scale, an inexpensive device to measure angles such as a protractor or a more expensive tool called a goniometer, and a stopwatch. Anyone doing ergonomics work should have a kit of these tools handy to use when needed.

Some measurements are estimates at best, such as a grip force measurement taken with a hand dynamometer. The usual practice is to have an operator squeeze the dynamometer with about the same force as required to lift the object. It's not telling us the force required to grip an object so much as it's measuring the operator's perception of that force as applied to the dynamometer. Unlike weighing the object on a scale, it's a degree of separation from an actual measurement of the stressor.

It's not easy to measure hand grip force directly without affecting that force. When someone picks up an object, particularly with a pinch grip, the surface friction is a factor in grip force required to hold it, as well as the angles of the fingers. If there was some way to measure the actual force applied to the surface of the object, it would have to do so without altering the friction or taking up much space between the object and the finger surfaces. Someday, new technology may make this practice obsolete, but for now it's the usual way to do the job.

It's good to know someone lifts a 12-pound weight 900 times a shift, but what does that mean in terms of injury prevention? There are a number of formulas and calculations such as the NIOSH "Lifting Equation," the Job Strain Index, Humantech's excellent "BRIEF" checklist and the Rapid Entire Body Assessment, which can be used to crunch these numbers into something more meaningful.

Why Monitor?

That's the short version of the "how" of ergonomic measurement, and here's the "why": Once we have measurements, we can compare them against recommendations from many existing studies of the effects of stressors. But studies of broad populations give us broad results.

The NIOSH Lifting Equation is aimed at safe limits for 99 percent of men and 90 percent of women. Given the wide variation of human susceptibility, a measurement that gives us a safe limit for 99 percent of men and 90 percent of women isn't necessarily going to work for us when our workforce is specifically chosen to be stronger and sturdier than those broad groups. For example, UPS has a process to maintain a physically fit workforce, and gets good results using a maximum individual lifting limit about 40 percent higher than the NIOSH maximum. Why limit work activities with a broad standard when you hire only workers in the higher fitness percentiles?

We might find our own in-house standards are a better point of comparison. There aren't a lot of companies actually living by NIOSH or other criteria. Many do have in-house standards or goals, simple or otherwise, which allow heavier loads, stronger forces, more repetition or more awkward postures than published criteria.

such as UPS, propelled by a competitive marketplace to build a stronger than average workforce,

Since an ergonomics improvement process usually is a progressive path rather than an overnight transformation, these companies may get closer to published recommendations in the future. Or, in some cases, such as UPS, propelled by a competitive marketplace to build a stronger than average workforce, companies successfully may allow higher limits. With some expertise, trial and error and educated guesswork, we might arrive at our limits more tailored to our workers. Ergonomics often relies on measurements, and knowing how to do them is just the beginning. Finding good criteria to compare them to also is important, and may mean striking out on our own. Regardless of what stressors are measured or what the measurements mean, the ability to take usable ergonomic measurements is a good skill for anyone working in ergonomics.

William H. Kincaid, P.E., CSP, is a senior loss control consultant with Lockton Companies, LLC.

OSHA Proposes Fit-Testing Protocol Rulemaking

From Occupational Health and Safety December 27, 2007

OSHA today published a Notice of Proposed Rulemaking (NPRM) in the Federal Register for a new fit-testing protocol--the Abbreviated Bitrex Qualitative Fit-Testing (ABQLFT) protocol--under Appendix A of the agency's respiratory protection standard. Public comments are being accepted until Feb. 25, 2008.

"This proposed rule will add a new fit-test method that has a shorter exercise duration than the current methods," said Assistant Secretary of Labor for OSHA Edwin G. Foulke, Jr. "This method will give employers additional flexibility in selecting procedures for conducting fit-testing."

The rule would add the ABQLFT as an alternative to the four existing OSHA-approved qualitative fit-test protocols. The ABQLFT protocol currently listed in the existing OSHA-approved Bitrex fit-test protocol in the respiratory protection standard would shorten the duration for each of the seven fit-test exercises from one minute to 15 seconds.

The proposed protocol would apply to employers in general industry, shipyard employment, and the construction industry.

Comments may be submitted to the federal eRulemaking Portal at www.regulations.gov, or by sending three copies to the OSHA Docket Office, Room N-2625, U.S. Department of Labor, 200 Constitution Ave. N.W., Washington, DC, 20210. If the written submission is ten pages or less it may be sent through fax to 202-693-1648. All comments must include the docket number OSHA 2007-0006.

Study: Women's Skulls Thicker, Men's Wider; Might Affect Protection Design

From Occupational Health & Safety, January 22, 2008

According to a new imaging study of 3,000 people using the latest in imaging analysis techniques, women's skulls are thicker than men's, and both shrink slowly in adulthood. The average skull thickness for men is 6.5 millimeters, average front-to-back measurement is 176 mm

for women, and the average width is 145 mm for men and 140 mm for women. These detailed results could help in the design of more effective devices for protecting the head in vehicle collisions and other accidents, the researchers say.

"Skull thickness differences between genders are confirmed in our study," says Jesse Ruan of the Ford Motor Company, who, along with colleagues at Tianjin University of Science and Technology, published their research in the International Journal of Vehicle Safety. "The next step will be to find out how these differences translate into head impact response of male and female, and then we can design the countermeasure for head protection."

Skull thickness, as one might expect, improves the outcome for anyone suffering a head injury, but studies have also demonstrated that skull shape can also have an effect. However, the detailed relationship between skull thickness and shape and how well a person tolerates a head injury have not been settled, with most studies simply extrapolating from smaller to larger skull and thickness to predict the likely effects of an impact. The current research, which involved a detailed statistical analysis of the various measurements for all 3,000 people scanned, shows that the distribution of skull size, shape, and thickness do not follow a so-called "normal" distribution pattern and so such extrapolations may be invalid. "Reliable biomechanical geometric data of the human skull can help us to better understand the problem of head injury during an impact," the researchers say, "and help in the design of better head protective devices."

Nanotechnology in the workplace

From Nanowerk Spotlight July 9, 2007

New technology, whether it is a novel cancer treatment or an innovative approach to farming, almost always comes with risk. Those risks are often first - and most severely - felt by industry workers, and nanotechnology is no different. Today, workers around the world are exposed to nanoparticles on a daily basis. There is much speculation, yet so far, little definitive information about how exposure affects workers. A report released by the International Council on Nanotechnology in November 2006 ("A Survey of Current Practices in the Nanotechnology Workplace" - pdf download, 2.2 MB), offers a clear picture of the situation. "The properties for which novel nanoscale materials are designed may generate new risks to workers, consumers, the public, and the environment. While some of these risks can be anticipated from experiences with other synthetic chemicals and with existing knowledge of ambient and manufactured fine particles, novel risks associated with new properties cannot easily be anticipated based on existing data." Questions, such as how to measure toxicity and how to monitor and control exposure, remain unanswered.

Despite global acknowledgment of the potential risks, research efforts and funding are focused on application rather than safety. In fact, nanotechnology is one of the most active areas of research today with a worldwide investment of almost \$10 billion.

A great deal of research is being conducted, but not enough of it looks specifically at the health risks, says Andrew Maynard, chief science advisor for the Project on Emerging Nanotechnologies at the Woodrow Wilson International Center for Scholars in Washington, DC. There is certainly safety research being done, but the extent, pertinence and financial commitment of this research varies, depending on whom you ask.

Woodrow Wilson International Center for Scholars in Washington, DC. There is certainly safety research being done, but the extent, pertinence and financial commitment of this research varies, depending on whom you ask.

Most of the U.S. federal government's investment in nanotechnology research is channeled through the National Nanotechnology Initiative (NNI), a federal research and development program (with an annual budget of more than \$1.5 billion) established to coordinate multi-agency efforts in nanoscale science, engineering and technology. According to Maynard, NNI agencies claim to have dedicated \$40-50 million annually to assess safety issues related to nanotechnology.

But, Maynard says, there is no data or detailed information to support this claim. In fact, he says, a study done by the Project on Emerging Nanotechnologies in 2005 found evidence that only about \$11 million of the NNI's research budget was actually funding projects focused on health-risk and safety issues. The Project on Emerging Nanotechnologies established a database to track these projects and monitor new efforts. "One of the biggest barriers to successfully commercializing responsible nanotechnology is the lack of understanding about risks," says Maynard. "Most people agree that more research is needed, but so far this observation hasn't resulted in significantly increased safety research," he says, "especially in the U.S."

While America, with its substantial government funding, leads the world in nanotechnology research and development, most of the money dedicated to safety research comes from other countries, says Maynard. "The European Union is taking a fairly holistic approach to developing a safety research structure," he says, adding that EU nations lead the way in safety and risk research. Other countries, including China, also have a pragmatic approach to risk research. "These countries recognize that understanding the risk is important," says Maynard.

In January, the EU launched its largest-ever funding program for research and technological development, the Seventh Framework Programme (FP7). The program earmarks about \$4.5 billion for nanotechnology research and includes calls for targeted research in areas as specific as exposure monitoring and hazard evaluation, says Maynard. "This program, while not as comprehensive as is perhaps ideal, is a significant step towards developing integrated research strategies for generating information necessary to develop responsible and sustainable nanotechnologies."

Other countries, including China, also take a pragmatic approach to risk research. "These countries recognize that understanding the risk is important," says Maynard, who believes that one of the reasons the U.S. government is reluctant to focus more on safety issues is the view that too much emphasis on risk may damage the success of nanotechnology and may also drive development to less regulated nations. "The government wants to look to the future, but ignore warning signs," he says, adding that there are plenty of historical examples of a government and industry "do it now, mop it up later" approach.

What it comes down to, says Maynard, is a lack of strategic direction. "There is no overarching strategy," he says. Funding for risk research is spread among several government agencies including the National Science Foundation (NSF), Department of Energy (DOE), Department of Defense (DOD), Environmental Protection Agency (EPA), National Institutes of Health (NIH) and the National Institute for Occupational Safety and Health (NIOSH), but efforts to coordinate activities are not that successful.

Maynard also believes that the distribution of funds makes little sense. "The NSF claims to have more than \$20 million (of its nearly \$400 million NNI funds) dedicated to safety research. Yet, they have no mandate to conduct this research." On the other hand, says Maynard, the agencies that should be driving this effort – including NIOSH – have received little or no additional funding for this purpose.

Two years ago, NIOSH which is mandated by law to conduct research and develop guidance on worker safety and health, established the Nanotechnology Research Center (NTRC) by redirecting existing funds from other programs. For fiscal year 2007, NIOSH redirected \$4.6 million to this effort. John Howard, M.D., NIOSH director, acknowledged the limitations of this amount in a report ("Progress Toward Safe Nanotechnology in the Workplace" - pdf download, 3.2 MB) released by NIOSH in February. "This budgetary constraint has made a more comprehensive research program specific to nanomaterials difficult to implement."

One of the people charged with this difficult implementation is Paul A. Schulte, director of NIOSH's Education and Information Division and coordinator of the Nanotechnology Research Program.

According to Schulte, based on the current state of nanotechnology, the greatest concern from an occupational safety and health perspective is unbound nanoparticles, less than 100 nanometers in size.

Schulte says that exposure to nanoparticles is occurring across a broad spectrum of business, industry and research facilities, including university and corporate research labs, pilot and startup companies, manufacturing and production facilities, and organizations that deal with nanomaterials end-of-life issues. "We need to think about the kinds of concerns that may occur in this broad range of facilities," says Schulte.

"Typically, we use a four-step approach to worker safety assessment: Hazard identification, exposure assessment, risk characterization and risk management," says Schulte. But, because NIOSH is already being approached by employers and workers asking for guidance on safe procedures, Schulte and his colleagues are working on all four steps simultaneously.

NIOSH scientists are studying the health effects of single-walled carbon nanotubes on the lungs and skin and the effects of titanium dioxide on the skin. Research into other potential health effects is taking place at other facilities as well, says Schulte, but there is much more that needs to be done.

"We have enough initial information that we believe caution is warranted," says Schulte. "However, it is important that this statement not be under- or over-interpreted." The only way to avoid this misinterpretation is to establish concrete information.

Schulte says one of the best ways to learn about the human health effects of exposure is to study actual workplaces currently handling nanomaterials. NIOSH's NTRC has established a field team to assess workplaces where exposure to engineered nanoparticles may occur. To date, the team (which comes only at the invitation of a business) has only visited between six and 10 companies, but hopes to increase this effort. NIOSH has also published "Approaches to Safe Nanotechnology: An Information Exchange with NIOSH" to help industry, employers and workers address risk concerns.

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Although he recognizes the potential risks associated with nanomaterials, Schulte has an optimistic view. "Society is trying to take steps to ensure openness and transparency on this issue," he says, adding that he doesn't see nanotechnology as the next asbestos crisis. "People have learned from past mistakes and don't want to repeat them.

By Cathy Garber, Copyright 2007 Nanowerk LLC

Report Calls for More Research on Health Effects from Cell Phones

January 22, 2008

The rapid increase in the use of wireless communication devices in recent years has been accompanied by a significant amount of research into potential health effects from high exposure to radiofrequency (RF) energy emitted by these devices. A new National Research Council report, requested by the U.S. Food and Drug Administration, identifies research that could further extend understanding of long-term low exposure to these devices.

The committee that wrote the report identified research needs and gaps based on presentations made by international experts and discussion sessions with attendees at a three-day workshop last August that evaluated disciplines and topics such as measurement of RF energy and exposure, studies on human populations, human laboratory measurements and animal and cell biology. In the report, research needs are defined as studies that, in the near term, could increase understanding of any potential adverse effects of RF energy on humans. Gaps are defined as research studies that are of lower priority or that should not be carried out until the results of current research studies are evaluated. The committee did not evaluate potential health effects or recommend how the identified research needs should be met.

One research need the committee identified is studies of any potential health consequences from multiple, long-term, low-intensity RF exposure as opposed to most of the present data that evaluates acute effects on healthy adults during short exposures to RF fields. For instance, measuring the amount of RF energy received by children, pregnant women and fetuses from wireless devices, and RF base station antennas could help define exposure ranges for various populations.

More information on the report, "Identification of Research Needs Relating to Potential Biological or Adverse Health Effects of Wireless Communication," can be found at

http://www.nap.edu/catalog.php?record_id=12036.

Upcoming Events

If you'd like to see your events advertised in this space, and on our website, email your announcement to: baesg.jobs@gmail.com

Local Events:

Feb 4- 7 **10th Annual California Unified Program Conference.** Hyatt Regency San Francisco Airport (For more information see: www.calcupa.net).

Feb 7 **SESHA Northern California Chapter Mini-Conference.** Major themes include: Business Continuity Planning Interactive Workshop; Alternative Energy Solutions – Mainstream Photovoltaics; California's Global Warming Solutions Act; Silicon Valley: Working Towards a Green & Gold Future; and Accidents & Incidents and Open Discussion.
(For more information see: <http://seshaonline.org/meetings/NCAMini2008.pdf>)

Feb 13 **LEED Update: Encore Presentation.** Join the U.S. Green Building Council - Northern California Chapter for a special encore presentation of the sold out January 9th panel featuring an update of LEED products and changes on the horizon for the coming year. A panel of experts will provide the latest information on LEED products.
(For more information see: http://www.usgbcncc.org/index.php?option=com_events&type=event&task=details&id=88&Itemid=109)

Environmental Training Center has the following training courses/seminars coming up at Mission College
(For more information see: <http://www.rebrac.org/>)

Feb 22	Title 22: Hazardous Waste Management
Feb 22	DOT Transporting Hazardous Materials
Feb 29	8 Hour: OSHA HAZWOPER Refresher
Mar 7	Management of Medical Waste
Mar 14	Title 22: Hazardous Waste Management
Mar 14	HAZWOPER 8 Hour, 24 Hour, and 40 Hour Training

UC Santa Cruz Extension has the following training courses/seminars coming up in Cupertino (For more information see: <http://www.ucsc-extension.edu/>)

Feb 06 – 20	Dimensions of Safety and Health Training (Wednesdays)
Feb 14	Annual Occupational Health and Safety Regulatory Update
Feb 25	Principles of Hazardous Materials Management
Mar 3- Apr 28	Waste Stream Management (Mondays)
Mar 7	Update on Toxic Laws and Regulations
Mar 14	8-Hour Hazwoper Refresher
Mar 21- 22,	Biosafety (Fri & Sat)

California Events:

Feb 11-13 **34th Annual Risk Managers Conference.** Hosted by the Public Agency Risk Management Association. To be held at the Disneyland Hotel in Anaheim, CA. (For more information see: [http:// www.parma.com/](http://www.parma.com/))

National Events:

Feb 6-8 **3rd Annual Industrial Fire, Safety and Security Conference & Expo.** Reliant Center, Houston, Texas. Focused on safety within petrochemical plants and industrial plants throughout the Gulf Coast region.

Feb 21-23 **33rd Annual National Hearing Conservation Association Conference.** Portland, Oregon Annual meeting of a leading organization in the hearing protection field. For more information, see: http://www.hearingconservation.org/conf_info2008.html

Feb 24-27 **35th Anniversary National Demolition Association Convention** The Mirage Event Center, Las Vegas, NV - Annual meeting of demolition contractors' association

Apr 07 – 12 **Fire Department Instructors Conference.**
Firefighters, chiefs, training officers, paramedics, hazmat specialists, fire academy students and many more industry specialists will find a comprehensive range of courses and training options at the FDIC in Indianapolis this year. For more information see: <http://fdic08.events.pennnet.com/fi//index.cfm>

Apr 27 – **The Risk and Insurance Management Society annual conference and exhibition.**
May 01 This San Diego event features 400 expert speakers and more than 130 educational sessions addressing priorities for risk managers, including pandemics; disaster recovery; climate change; globalization; and political and public entity risks. For more information, see: <http://www.rims.org/Template.cfm?section=AnnualConference1>

May 31 – **American Industrial Hygienists Conference and Exposition (AIHce)**
Jun 05, Presented by the American Industrial Hygiene Association (AIHA) and the American Conference of Governmental Industrial Hygienists (ACGIH) at the Minneapolis Convention Center. AIHce offers general sessions, lectures, technical sessions lunch sessions, professional development courses and the opportunity to earn up to 6.5 certification maintenance points, as well as an expo featuring more than 300 exhibitors. For more information see: <http://www.aiha.org/aihce08/>

Employment Opportunities

The following positions were collected from a variety of internet job listings and/or postings received directly by the BAESG Jobs Coordinator. BAESG has not verified the informational content of all of these ads.

Safety Analyst for San Francisco Department of Public Works

Position Description:

Under supervision, develops and implements occupational safety programs and procedures. The essential functions of this class include planning and conducting work-site inspections to identify safety hazards; investigating accidents to identify casual factors; developing controls or work practices to minimize or eliminate hazards; conducting safety training, including training in trenching and shoring, confined space entry, traffic control, and defensive driving; drafting reports or memos recommending changes in policies and procedures; reviewing and maintaining OSHA and other records; performing trend analysis; developing emergency response plans; developing job specific codes of safe practice; participating in regulatory inspections and compliance activities; and analyzing loss-run reports and other injury data to identify trends and target loss prevention activities. Performs related duties as required.

For more details go to:

<http://www.jobaps.com/SF/sup/BulPreview.asp?R1=tpv&R2=6130&R3=054438&Viewer=Admin&Test=Y>

Sr.Environmental engineer chemical Plant. IL\IA location

The Environmental Eng will be responsible for developing, effectively implementing and functionally managing environmental compliance programs for all facilities. The position will be focused on maintaining and improving compliance with Environmental requirements, and developing strategies and plans for doing so most effectively.

Primary duties for this position include: possessing a strong knowledge of environmental regulations pertaining to permitting and compliance of air emissions, wastewater, solid waste, and hazardous materials; development of relationships with environmental and governmental agencies; demonstrated proficiency in working cross-functionally with others in the company, as well as consultants, lawyers, and government regulators; managing programs to ensure and enhance facility environmental compliance through consistent application and improvement of existing methods of environmental control and reporting, and development of new programs to achieve continuous and step improvement in the facilities environmental performance

BS in Engineering or Chemistry, or related field of Sciences and a minimum 5 years direct experience in Environmental compliance with the ability to manage and develop Environmental programs. Must understand and effectively utilize environmental compliance strategies and be able to read and interpret the regulations and they apply to this site. Will also have the ability to manage and/or develop strategic programs for long term initiatives. Candidates must have outstanding interpersonal skills at all levels of the company and external organizations including strong oral and written communication skills to communicate effectively with operations, engineering, government agencies, legal teams, and consultants

For more information contact:

Jason Sullivan

309.523.2575

jason.Sullivan@ethicalsearch.com

www.ethicalsearch.com

Safety E&E Conservation Officer (Posting ID: TS/030883)

Description:

Develops and manages related safety / health & environmental / energy conservation programs to include format, schedule, and documentation required for inspections, corrective actions, continuous improvement, performance metrics, trend analysis, and reporting to include ensuring all CDRLs are submitted on time and accurately. Additionally, individual provides oversight of Safety related Training Data Base, leads research of safety and environmental issues, assists Division / Office Managers with safety and environmental training, consults on safety and environmental issues, oversees internal and external compliance inspections, and interfaces with the United States Government counterparts. Basic qualifications: BS Degree or equivalent and 5 years related experience. preferred qualifications: BS Degree preferably in safety and environmental related field, Certified Safety Professional (CSP) status.

For more information contact:

Daniel Nechkash
Northrop-Grumman
Safety / Environmental & Energy Conservation Office Manager
Fort Irwin, CA 92310
(760) 380-7802 office

Job ID: 4133809
Position Title: Project Coordinator,
Lam Research
Location(s): Fremont, California, 94538, United States

Job Description

Provide support in maintaining environmental, health and safety programs. Maintain safety equipment calibration schedule, perform data entry into various databases used for regulatory compliance, perform basic filing of regulatory documents, support campus vendors, assists with scheduling of necessary EHS activities and maintain the internal website.

Qualifications:

AA/AS degree with 3-4 years related experience or accumulation of at least 6 years experience in similar field. Must possess knowledge of the following software applications: Microsoft PowerPoint, Excel, Word and Front Page.

For more information contact:

Katie Slack
katie.slack@lamrc.com

Job ID: 4133814
Position Title: ERT Coordinator,
Lam Research
Location(s): Fremont, California, 94538, United States
Job Description

The EHS Engineer ensures that EHS regulatory compliance is implemented and enforced at LAM. The EHS Engineer may work with internal customers to prevent and reduce hazardous materials and safety incidents from occurring. The EHS Engineer ensures EHS regulatory compliance for various assigned tasks, which include:

- Maintain Fremont campus emergency preparedness programs.
- Responsible for maintaining a fully staffed and trained Emergency Response Team.
- Organize team drills and semiannual building evacuations.
- Conduct building inspections to identify EHS non-conformances.
- Develop, instruct and/or coordinate with vendors various ERT classes (i.e., Hazmat Technician, AED, First Aid, fire extinguisher training, etc.).
- Monthly compliance inspections and ERT metrics.
- Facilitate a weekly incident investigation meeting.
- Develop and update EHS policies and procedures, as needed.
- Supervise various vendors.
- Develop annual budget and maintain quarterly financial goals.

Qualifications:
BS/BA in science related degree. 5 - 7 years of EH&S compliance, training and ERT experience. Current training certifications to instruct First Responder Operations. Must have excellent computer skills (e.g., Power Point, Excel, and Word). Business Continuity experience a plus. Semiconductor experience preferred.

For more information contact:
Katie Slack
katie.slack@lamrc.com

East Bay Company is seeking a Technology Director with experience in wet chemistry, wafer cleaning, etching and some CMP knowledge to be their cleaning "guru" expert. Location is Livermore, some moderate travel and lots of opportunity. This is a major company and supplier of equipment and materials. Good benefits. Salary range is about \$100-125K++, depending on experience. Attached is their job description.

For more information contact:

Dick Williams Executive Search
dick@dwasearch.com
Off (925) 468-0304 Cell (925) 980-4991
7901 Stoneridge Drive, Suite 415
Pleasanton, CA 94588
Web site: <<http://www.dwasearch.com>>

Bay Area:

International Pharmaceutical company in the Bay Area looking for two mid-senior level EHS professionals. One with emphasis in IH, the other in Emergency Response/Environmental/Safety. Competitive salary and benefits package.

Spokane, WA

International electronics company located in Spokane, Washington is looking for a mid-senior level EHS professional, with an emphasis in IH. Relocation package available.

If interested in either of these positions,

Email resume to: Michael Williams, CIH, CSP, ARM - HSRMS - mikewehs@aol.com

Safety/Risk Manager II Job Code : 167

Location : LIVERMORE CA US 94551

Education : Bachelor's Degree

Category : Safety & Risk Manager

POSITION SUMMARY:

Safety/Risk Manager II will coordinate and implement company-wide Safety and Environmental programs to achieve and maintain a safe and healthy work environment. Emphasize company-wide safety awareness culture to minimize the number, severity and costs of workplace injuries/illnesses and motor vehicle accidents, and oversee the compliance of environmental permit conditions and compliance.

ESSENTIAL FUNCTIONS:

Coordinate, implement and enforce safety and environmental programs, policies and procedures, health and safety training programs for supervisors and managers
Insure compliance with all environmental permits; Injury and Illness Prevention Plan (IIPP); and all other reporting requirements. Inspects properties, machinery, equipment, and construction sites to ensure compliance with state and federal safety, health and environmental regulations as well as company policies and procedures
Prepare written reports regarding inspection and observation findings and recommends corrective action
Prepare written reports for all workplace accidents including vehicular accidents with recommendations for corrective actions
Responsible for reporting all facility damage, general liability claims, motor vehicle accidents, and workers' compensation claims to the insurance carrier
Responsible for disseminating results of accident investigations to the insurance carrier in order to assist and direct the claims adjuster with claims handling efforts
Maintain administrative control of records related to safety, health and environmental programs/permits, accident investigations, and claims handling
Recognize accident trends, identify root causes, and formulate corrective measures
Promote and cultivate a cohesive atmosphere of team work between departments
Represent the company to customers, vendors, inspectors and governmental agencies, etc
Support Winning the Game by taking ownership and accepting responsibility for your job
Responsible for the development and utilization of electronic reports to track and maintain safety related records within the department
Responsible for development and utilization of all internal and external programs regarding vehicles including DriveCam and DMV
Coordinate and manage all outside vendor activities involving safety and environmental programs

Work with other US Concrete Precast Group business units and OFRC regarding safety and environmental programs

Determine and develop effective strategies for achieving revenue and EBITDA goals

Any other duties as assigned

Job Requirements :

Four year degree or related experience

Certifications: OSHA 500, 501; HAZWOPER

Maintain compliance with OSHA record keeping requirements

Hands-on, in the trenches, get hands dirty approach

Good trainer and communicator

Meet the physical requirements necessary to perform plant and truck inspections as well as at scene accident investigations

Interpret a broad range of governmental safety regulations, accessing application and ensuring compliance

Five year supervisory/management experience

Three – Five years managing safety / environmental programs

Manufacturing and field construction experience

Proficiency in Microsoft Office, Power Point, and internet

Must possess a valid driver's license and a good driving record

Bilingual in English and Spanish a plus

For more information contact:

Ana Aguilar

ana.laguilar@gmail.com

Environmental Health & Safety Specialist

City of Novato

Assist with the overall support of BioMarin Environmental Health and Safety operations. Respond to EH&S emergencies. Working with little or no supervision. This position requires compliance with BioMarin GMP procedures.

RESPONSIBILITIES

1. Assist with developing and maintaining compliance programs for the following regulatory standards: Chemical Hygiene; General Industry Safety Orders; Hazard Communication; Respiratory Protection Lock-Out / Tag-Out, Confined Space, Fall Protection, Bloodborne Pathogen; Medical Waste Management; Emergency Response; Hazard Materials Storage; Waste Water Effluent; Air Emissions Ergonomics.
2. Maintain on-going ergonomic program including: evaluations, summary reports, equipment ordering, follow-ups, ergo status log, and case closure.
3. Assist with preparation, submittal, and maintenance of Hazardous Material Business Plan (HMBP), Hazardous Material Management Plan (HMMP), and Hazardous Material Inventory Statement (HMIS).
4. Assist in compliance with Sewer Discharge Permit including coordination of waste effluent testing, preparation of Quarterly report to the Novato Sanitary District, and investigating and reporting on permit violations.
5. Assist in the development of Safety Shoe, Prescription Safety Glasses and MSDS & Chemical Authorization Programs.
6. Assist in developing and delivering EHS training program including web-based and classroom training.

7. Participate in regulatory inspections (Fire Department, Marin County, Sanitary District, etc.) and coordinate corrective actions.
8. Perform accident investigations and root cause analyses.
9. Work with members of Health and Safety Committee with improving safety awareness and communication.
10. Coordinate Health and Safety Committee meetings.
11. Provide back up to EHS Manager for new employee safety orientation training.
12. Perform and coordinate job safety assessments (JSAs).
13. Perform and coordinate safety inspections and self-safety inspections.
14. Become a certified member of the Emergency Response Team and assist in ERT program planning.
15. Assist with preparation and maintenance of the EHS compliance calendar.
16. Maintain and file EHS records per job responsibilities.
15. Perform other tasks as assigned by supervisor.

EDUCATION: AA/BA/BS degree in an EH&S or biological science discipline.

EXPERIENCE

- At least 5 years prior EH&S experience, preferably in a biotechnology environment.
- Certified Hazardous Material Technician preferred
- Emergency Responder training preferred.
- Excellent oral and written communication skills are required.

For more information Contact:

Michael Kraus
EHS Manager
BioMarin Pharmaceutical Inc.
Tel 415.506.6666
mkraus@bmrn.com
www.bmrn.com

Hazardous Waste Engineers

A multi-disciplined, civil and environmental consulting engineering firm with 20 years experience providing solid and hazardous waste engineering services throughout the western United States is currently seeking good people to join a team of professionals in the southern California office. A successful candidate will provide field and office support for civil solid waste and other projects.

Typical duties will include:

- Performing calculations
- Writing reports
- Performing field monitoring
- Drilling and well construction
- Soil & vapor
- Groundwater site assessment
- Work plan and report writing site remediation

Construction oversight

The position will involve field and office support for the completion of environmental site assessments and remediation projects.

Bachelor's degree either engineering or geology
Two to Seven years of civil engineering experience
Landfill knowledge a plus

All interested and qualified parties should send their resume and cover letters to:

Dawn M. Ciauri
562.293.4887
dawn@wtsnetworking.com

or
Jennifer Lewellen
562-293-4885
jlewallen@wtsnetworking.com

BAESG MEMBERSHIP APPLICATION

for both new and renewing members

Annual membership dues are \$25.00. (\$12.50 for full-time students and retired EH&S professionals).
Make your check payable to BAESG and return with this application to:

Membership Director
Bay Area Environmental Safety Group
P. O. Box 60363
Sunnyvale, CA 94088-0363

Personal Information and Company Address (to be listed in the Membership Directory)

Name: _____

Full-time Student? Yes ___ No ___

Certifications (such as CIH, CSP) _____

Job Title (or field of study): _____

Company (or College/University): _____

Address: _____

City, State, and ZIP CODE: _____

Daytime Phone (with area code): _____ FAX: _____

Email address: _____

Sponsor: _____

Monthly newsletters will be sent to the above email address.

Areas of Interest:

Please indicate any areas of special interest that you would like to see covered during the monthly meetings, or topics that you would be interested in presenting.

TOPIC: _____

PRESENTING? Yes ___ No ___

Please check here if you would like to be placed on the Jobs eMail Distribution List to receive Updates of job listings between the monthly publication of the newsletter.

Email address to which listings should be sent: _____



**Bay Area
Environmental
Safety
Group**

P. O. Box 60363

**E-mail the Editor at:
baesg.jobs@gmail.com**

www.baesg.org

MEMBERSHIP

The Membership application is on the previous page. To Join BAESG. Please fill it out and send with a check for \$25 to:

**Membership Director
Bay Area Environmental Safety
Group**

P. O. Box 60363

Sunnyvale, CA 94088-0363



Advertise in the Membership Directory

If you have a business related to Environmental, Health and Safety, then advertising with BAESG is for you!

Your ad, placed in the BAESG Membership Directory, will be seen by EH&S decision makers at companies throughout the San Francisco Bay Area.

One low price places your ad in the Directory

and on our website.
<http://www.BAESG.org>

The ad should be provided in MS Word format and accompanied with .gif or .jpg files for any graphics. Please view present ads (link on page at left) for an idea of website format.

You (or your business) must be a member of BAESG. See the page at the left for an applica-

tion.
Artwork and payment to be submitted to BAESG, PO Box 60363, Sunnyvale, CA 94088-0363

Contact our Membership Director with any questions you may have.