

Safety Insider

March 2014

Bay Area Environmental Safety Group

Meeting Time and Location

Wednesday, March 19, 2014

12:00 – 1:00 PM

Registration starts at 11:30 AM

\$27 Members with reservations

\$37 Non-Members and Walk-ins

Santa Clara Golf and Tennis Club

Conference Center

5151 Stars and Stripes Drive

Santa Clara, CA

(408) 330 – 0001

For directions go to

www.baesg.org or see Page 3

RSVP at

baesgreservation@gmail.com

March Meeting Topic:

How Clean is Clean? Evaluating Removable Indoor Contamination

EH&S professionals are frequently asked to measure indoor surface contamination in order to evaluate the potential for worker exposure, to verify the effectiveness of control measures or to determine whether a structure is “clean” after use of hazardous materials has been discontinued. Unfortunately there is little regulatory guidance to determine how clean is clean. OSHA regulations (where applicable) require areas to be “as free as practicable” of removable contamination, without providing a definition of that term. Environmental regulations have been established for soil and other media, but those standards do not apply to indoor areas. Other commonly used approaches, including HUD levels for lead and DOE beryllium standards are limited in scope and difficult to apply to other contaminants. This presentation will discuss several commonly used approaches for evaluating indoor contamination, will evaluate their strengths and weaknesses and will provide EH&S professionals with the tools to select a method of evaluation that is appropriate for their project or situation

Speaker's Bio

James Kapin is a safety and environmental professional with more than 20 years' experience providing risk-based solutions to EH&S challenges. He has worked in academia and the insurance industry as well as more than 10 years as a chemical safety and environmental compliance consultant. James is a Certified Industrial Hygienist and has a bachelor degree from UCSD in Biochemistry and Cell Biology as well as a Masters of Public Health from SDSU. Currently James manages the EH&S consulting program for Advanced Chemical Transport where he specializes in providing cost-effective environmental and chemical safety solutions to accounts in business, industry and academia

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Member Spotlight



Joe Moulton

2014 will mark Joe's 13th year in the field of environmental health and safety. His first exposure to the industry was through a college internship with the U.S. Minerals Management Service where he worked alongside scientists, paleontologist, and inspectors who oversaw the offshore oil drilling of the Pacific Coast Outer Continental Shelf. Shortly after his graduation, Joe began his career consulting at Kip Prahl Associates and now works at Du-All Safety where he provides EHS consulting services to the public and private sector.

Joe received his bachelor degree in Environmental Studies from the University of California, Santa Barbara. He is a Certified Hazardous Materials Manager. Joe is now pursuing his Certification in Safety as a Certified Safety Professional. One of Joe's major accomplishments is being on the management team of Du-All Safety. Being part of the management team at Du-All Safety allows him to take part in key decision making process. This leadership role provides Joe with the opportunity to help the company to grow and expand in its service offerings.

Joe declares that one of the biggest challenges in the field of EH&S is the inconsistency of guidance and regulation interpretation among professionals. In Joe's perspectives, the field of EH&S is one that is all encompassing, and often times the guidance we provide will affect multiple stakeholders differently. In Joe's view, our guidance as EH&S professionals, is expected to keep people safe, protect the environment, ensure compliance with regulatory standards, and at the same time keeping an eye on the business' bottom line. As such, often times there are conflicting interests among stakeholders, which can highly affect the fundamental guidance that is provided.

Finally, Joe claims that being as active member in professional associations, such as BAESG, has helped him to create a network of EH&S professionals that he can lean on when necessary. Continuing his education and obtaining relevant certifications has kept him current on new laws and issues that affect the industry. Lastly, Joe makes an effort to understand the inner workings of the specific industries that he consults for beyond their immediate EH&S concerns.

Regulatory Update

Preparing Your Hazmat Shipments for 2014

Posted on December 17, 2013 by Robert Clarke

As we approach year's end, it is critical to look ahead and prepare for the many new hazmat shipping requirements that will become mandatory in 2014 and beyond. Don't be caught off guard when these updated 49 CFR, IATA, and IMDG rules go into effect—prepare your operations to comply now. Shipping mistakes can lead to injury to personnel and costly shipping delays.

US Hazardous Material Regulations

Here are some key changes to the DOT rules that come into effect through 2014 and beyond.

Placarding Division 5.2 (Organic Peroxide) Shipments — Effective January 1, 2014, the transition period for the new Division 5.2 (Organic Peroxide) placard design officially ends. After this date, no new shipments may use the old (Pre-2006) placard design, and all new shipments must use the new bi-colored design that debuted in 2007. [49 CFR 172.552]

New Labels for Infectious Substances and Class 9 Hazard — On October 1, 2014, the transition period for the new Division 6.2 Infectious Substances and Class 9 Miscellaneous Hazard labels also ends. Old (Pre-2011) labels can't be used after this date. [49 CFR 172.432 and 172.446]

Old Limited Quantity Marking — The US DOT extended the phase-out deadline for the old-style limited quantity marking, the ID number in diamond, from January 1, 2015 to January 1, 2016. [49 CFR 172.315(d)(1)]

Font Size on Non-bulk Packages — To harmonize with international standards, beginning January 1, 2017, the US DOT will enforce minimum font sizes for identification number markings on non-bulk packages. [49 CFR 172.301(a)(1)(i)]

IATA's Dangerous Goods Regulations (IATA DGR)

On January 1, 2014, the 55th Edition of the International Air Transport Association (IATA) *Dangerous Goods Regulations* go into effect. The most significant changes this year have to do with lithium battery shipments and reorganizing the chapter on package markings.

Marking Size on Non-bulk Packagings — Effective January 1, 2014, all international hazmat regulations, including the IATA DGR, are instituting minimum size requirements for markings on non-bulk packagings. The identification number markings must be:

- At least 12 mm in size for packages larger than 30 kg or L
- At least 6 mm in size for packages greater than 5 and up to 30 kg or L
- Of an adequate size for smaller packages

[IATA DGR 7.1.4.4]



New Rules for Lithium Battery Air Shipments — Starting March 31, 2014, packages containing large amounts of smaller lithium batteries prepared under Section IB of Packing Instruction 965 or 968 will require a Shipper's Declaration of Dangerous Goods instead of the alternative documentation authorized in previous editions of the DGR. IATA is authorizing a three-month transition period for shippers and transporters to adjust to this new rule. During the first quarter of 2014, compliance with the new requirements is optional. [IATA DGR Introduction, p. xxiii]

IMO's Dangerous Goods Code (IMDG Code)

On January 1, 2014, hazmat vessel shippers must comply with the 2012 edition of the IMDG Code (Amendment 36-12). The latest edition authorizes new types of packaging aboard vessels, expands special provisions for shipping unique materials, and completely reorganizes Part 7 governing transport operations.

Marking Size on Non-bulk Packagings — Effective January 1, 2014, all international hazmat regulations, including the IMDG Code, are instituting minimum size requirements for markings on non-bulk packagings. The identification number markings must be:

- At least 12 mm in size for packages larger than 30 kg or L
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- Of an adequate size for smaller packages

[IMDG 5.2.1.1]

If you are not currently operating according to the above regulations, it is advisable to make the required changes to your operations. Preparing for and abiding by the rules are important for several reasons:

- DOT inspectors can come to your company at any time to ensure compliance.
- Your company can learn how the changes will affect operations.
- You can develop a phased-in transition plan.

NOTE:

These updates and more will be covered in the May BAESG Luncheon Meeting. Mark your calendar for Wednesday, May 21 to attend and get the lowdown on these changes.

News Release



CALIFORNIA ENVIRONMENTAL PROTECTION AGENCY

T – 04 – 14

Deborah O. Raphael, Director

Department of Toxic Substances Control

FOR IMMEDIATE RELEASE Contact: Russ Edmondson

News Release

February 18, 2014 (916) 323-3372

russ.edmondson@dtsc.ca.gov

DTSC Investigation Leads to Arrest and Felony Charges Related to Hazardous Waste Transportation Business

SACRAMENTO, Calif. – The Department of Toxic Substances Control (DTSC) announced today that a DTSC investigation referred to Alameda County District Attorney Nancy E. O’Malley’s office has resulted in the arrest of two operators of Clearwater Environmental Management, Inc. Kirk Hayward, the former owner of the Union City business, and Charles Seaton, the former vice president, were arrested on Feb. 11, 2014, and each charged with four felony counts of grand theft by false pretenses and one felony count of conspiracy.

“Safe management of hazardous waste relies on the accurate tracking of waste shipments,” said Reed Sato, DTSC Chief Counsel. “Investigating the falsification of transportation documents is a high priority for DTSC and we are grateful for the partnership with the District Attorney in prosecuting these threats to public safety.”

Clearwater has transported and disposed of hazardous and non-hazardous waste for local businesses since at least 1995. The company lost its license to transport hazardous waste in 2007 as the result of an investigation by DTSC’s Office of Criminal Investigations (OCI). That case culminated in the felony conviction of Hayward, who was sentenced to 60 days in jail and fined \$70,000. Clearwater continued to operate the non-hazardous waste portion of its business after losing its hazardous waste transport license. The company also continued operating the hazardous waste portion of the business, using the identity of another licensed transporter on official records. DTSC discovered Clearwater was illegally transporting hazardous waste without a license and using the identity of another transporter, and in July, 2011, served a search warrant at the facility. Investigators discovered that Clearwater was documenting transports of hazardous waste to an oil recycling facility in Nevada also owned by Clearwater, but in many instances the waste went elsewhere.

The law requires generators of hazardous waste to transport their waste to a facility permitted to accept such waste and to file records that document lawful transportation and the final disposal

site. Typically, businesses that generate hazardous waste pay a hazardous waste transporter to perform all of these services for them. Clearwater customers paid Clearwater to transport and dispose of their waste according to hazardous waste laws, including the requirement that the customer accurately document the transport and disposal of the waste in records filed with the state. 2

“My Office is committed to ensuring that hazardous waste is properly transported and disposed of,” said O’Malley. “Thanks to the diligence and excellent investigation by DTSC, we are today able to prosecute these defendants for their illegal conduct.”

Many Clearwater customers paid for these services, but never got them. Instead, Clearwater illegally transported customers' waste, disposed of the waste at locations unknown, and falsified customers' transportation and disposal records. The four charges of grand theft by false pretenses are based on Clearwater defrauding four such customers.

The felony charge of conspiracy is based on Hayward and Seaton's agreement to commit three crimes: to transport hazardous waste without a license; to use the identity of another transporter on hazardous waste records; and to obtain payment from Clearwater customers by means of false pretenses.

OCI is a special investigation unit within DTSC consisting of peace officers, scientists, and a computer forensic specialist who investigate criminal misconduct and other serious violations of hazardous waste laws in California. They are the only criminal investigation unit within the California Environmental Protection Agency.

View documents related to these arrests here at

<http://www.dtsc.ca.gov/HazardousWaste/Projects/Clearwater.cfm>

FOR GENERAL INQUIRIES: Contact the Department of Toxic Substances Control by phone at (800) 728-6942 or visit www.dtsc.ca.gov. To report illegal handling, discharge, or disposal of hazardous waste, call the Waste Alert Hotline at (800) 698-6942

The Mission of DTSC is to protect California’s people and environment from harmful effects of toxic substances by restoring contaminated properties, identifying and promoting safer ingredients in consumer products, and ensuring stewardship through enforcement, regulation, and pollution prevention.

Featured Article:

NIOSH: HealthCare Workers Lacking in Training on Hazardous Chemicals

"Safeguarding health care workers from potential occupational hazards is an essential part of providing good jobs for these dedicated men and women, and furthering high-quality patient care," NIOSH Director Dr. John Howard said.

Feb. 25, 2014 [Josh Cable](#) EHS Today

- Health care workers who routinely come in contact with hazardous chemicals lack training and awareness of employer procedures to adequately protect themselves from exposure, according to a new NIOSH study.
- The survey of more than 12,000 health care workers found that workers administering aerosolized antibiotics were the least likely to have received training on their safe use, followed closely by those exposed to surgical smoke.
- The study is the first in a series of reports describing current practices used by health care workers to minimize chemical exposures as well as barriers to using recommended personal protective equipment.

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Conducted in 2011, the Web-based survey is the largest federally sponsored study of health care workers that addresses safety and health practices and use of hazardous chemicals, according to NIOSH. The study results are published in the [American Journal of Industrial Medicine](#).

"Safeguarding health care workers from potential occupational hazards is an essential part of providing good jobs for these dedicated men and women, and furthering high-quality patient care," NIOSH Director Dr. John Howard said. "The limited information available on safe-handling practices associated with use of hazardous chemicals makes our work even more important."

The study is the first in a series of reports describing current practices used by health care workers to minimize chemical exposures as well as barriers to using recommended personal protective equipment. The chemical agents under study included antineoplastic agents, high-level disinfectants, aerosolized medications, anesthetic gases, surgical smoke and chemical sterilants.

Among the highlights, the study found that:

- Workers administering aerosolized antibiotics were the least likely to have received training on their safe use (48 percent reported they were never trained), followed closely by those exposed to surgical smoke.

- Workers most likely to have received training were those who administered antineoplastic drugs (95 percent) and those who used hydrogen peroxide gas plasma as a chemical sterilant (92 percent).
- For those exposed to surgical smoke, 40 percent did not know if their employers had safe-handling procedures. For those exposed to anesthetic gases, 25 percent did not know.
- Those who administered antineoplastic drugs were least likely to report that they did not know whether their employer had procedures for minimizing employees' exposure (3 percent).
- Chemical-specific training and awareness of employer safe-handling procedures varied by employer work setting (ambulatory health care services versus hospital).

NIOSH said the survey's findings will help the agency and other health care stakeholders better understand current health and safety practices related to working with hazardous chemical agents; identify gaps in current knowledge about those practices; and design further research in collaboration with partners for addressing those gaps.

MEETING LOCATION

Santa Clara Golf and Tennis Club Conference Center

5151 Stars and Strips Drive

Santa Clara, CA, (408) 980-9515

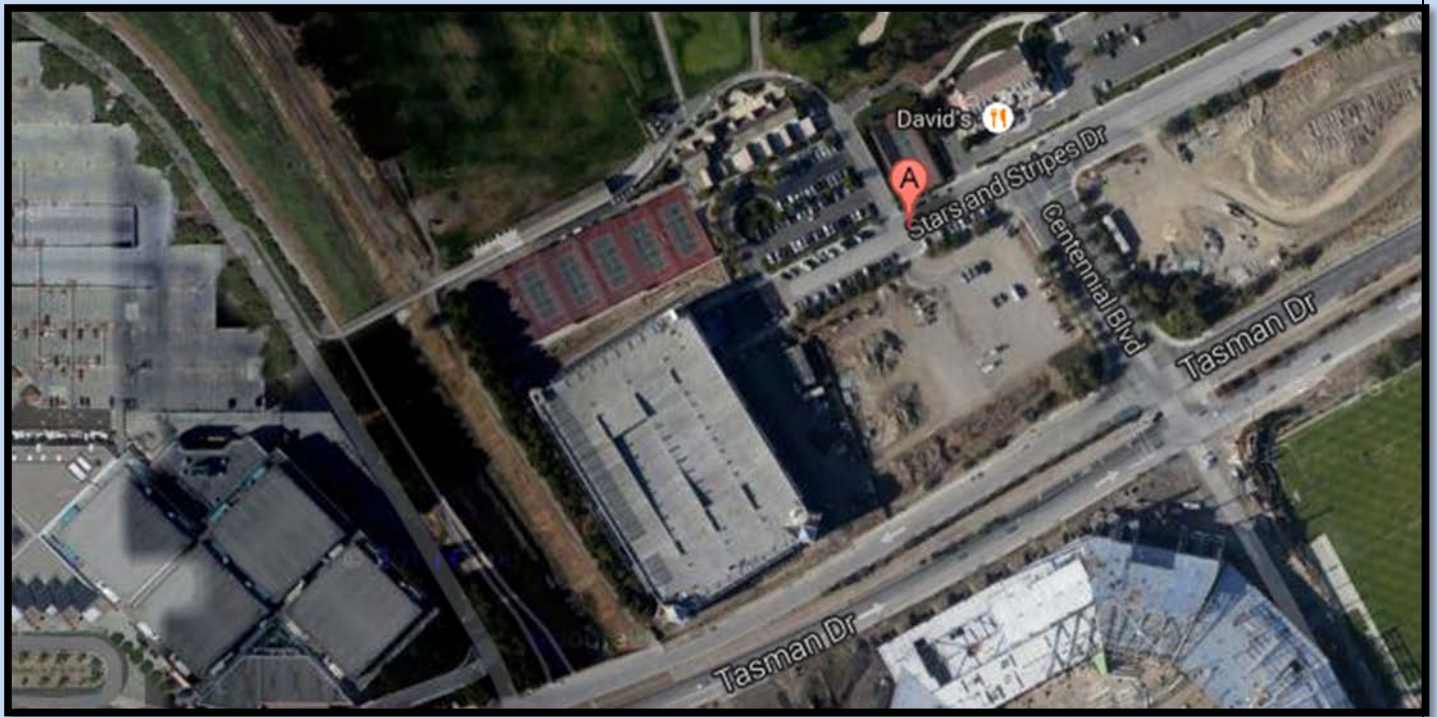
(Off Tasman across from the new stadium entrance)

(Second traffic light east of the Hilton on Tasman)

Lunch will feature a sumptuous Chef's Choice Menu.

Please let Jarod know if you have any special Dietary needs, such as vegetarian.





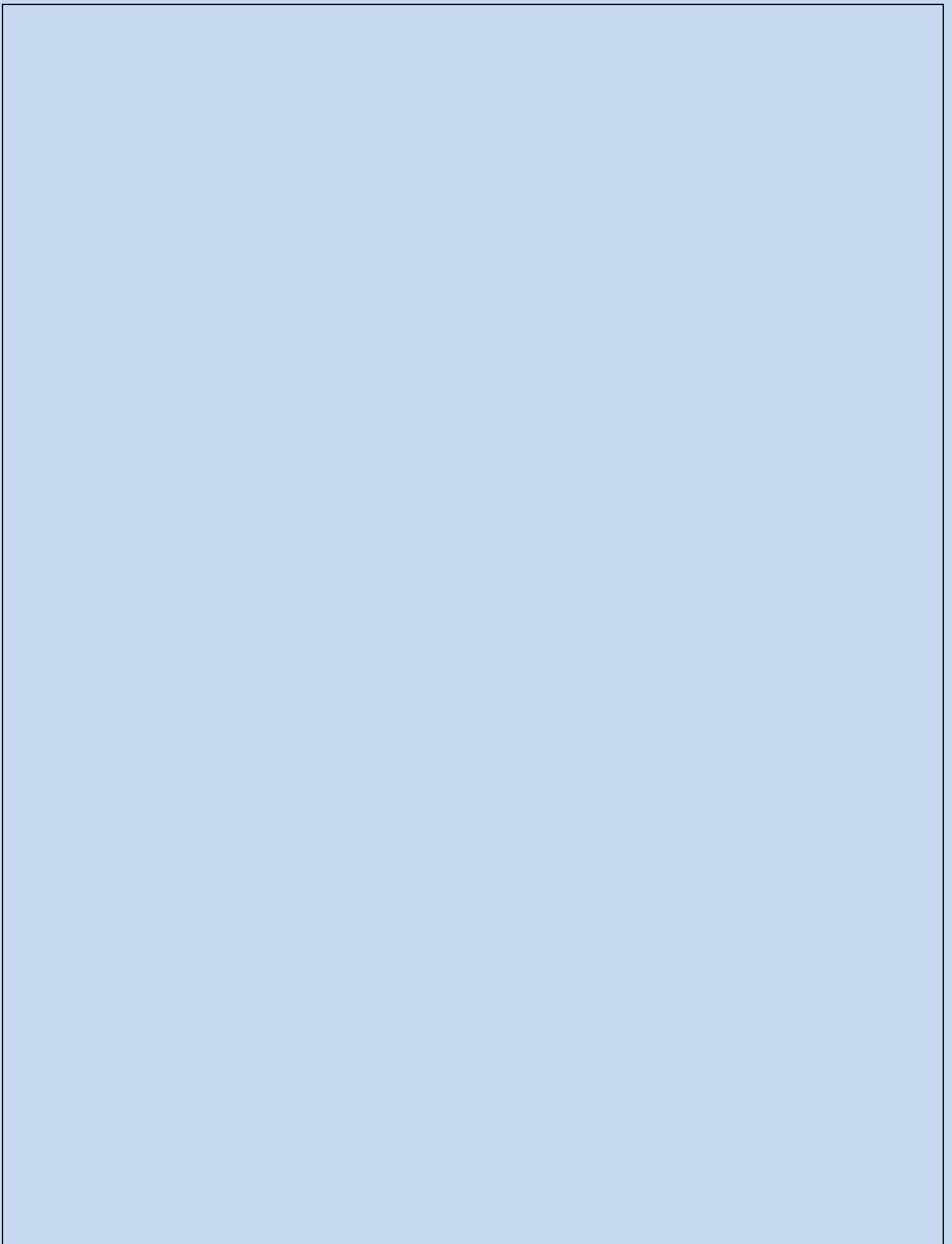
PDC Sponsors



Save the date for Professional Development

Conference 2014, Wednesday October 15.

Location and topics to be determined.





Upcoming Events

How to Prepare for a Radiation Safety Inspection & Social Networking Reception presented by the Pacific Industrial and Business Association, at IBM Corporation, 4400 North 1st Street, San Jose

Tuesday, April 1, 2014: 2:30pm-5:00pm. Networking social from 5:00pm – 6:00pm

This 1/2 day workshop will focus on key areas that should be addressed before a State inspection. Attend this event in order to improve your compliance with the State Radiological Health Branch, learn industry best practices, and network with fellow colleagues. PIBA will be providing a hosted bar with light appetizers after the presentation. Meet and discuss with our presenter, PIBA board members, and fellow EH&S professionals. Just be sure to Bring Your Own Glass with you!

For more information, and to register for this event, go to: <http://www.piba.org/>

Radiation Safety Officer Training, 40 Hour Course presented by the Pacific Industrial and Business Association, at IBM Corporation, 4400 North 1st Street, San Jose

Wednesday through Tuesday, April 2 – 8 (weekdays only), 2014: 8:00 am - 5:00 pm.

This course is designed for persons who want to become a Radiation Safety Officer at a university, biotechnology center, or industrial concern. This course is applicable to laboratory staff scientists who require radiation safety training to qualify as a “user” of radionuclides, biotechnology scientists who use radionuclide tracers, scientists in the radiopharmaceutical industry (production and R&D) and others.

For more information, and to register for this event, go to: <http://www.piba.org/>

Upcoming BAESG Meeting Events

April 16 BAESG Luncheon Meeting: California Codes (Building, Fire, Mechanical, etc.) Updates and Changes, presented by Erel Betser, Rolf Jensen & Associates, Inc. At Davids Restaurant, 5151 Stars and Strips Drive, Santa Clara. Starting January 1, 2014 all projects that are submitted for building, plumbing, electrical and mechanical permits will be required to comply with the 2013 California Code of Regulations Title 24. This Code is the Building, Residential, Electrical, Plumbing, Mechanical, Energy, Green Standards and Reference Standards codes. Find out how these changes could affect your business when doing Tenant Improvements, remodels, etc.

May 21 BAESG Luncheon Meeting: Dangerous Goods Transportation (DOT, IATA, IMDG) Updates, presented by Dan Chodos, EHS Consultant at EORM. Meeting will take place at Davids Restaurant, 5151 Stars and Strips Drive, Santa Clara. Don't be caught off guard when these updated 49 CFR, IATA, and IMDG rules go into effect—prepare your operations to comply now. Shipping mistakes can lead to injury to personnel and costly shipping delays.

Upcoming Classes

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

- [Toxic Laws Legislative & Regulations Update, March 21](#)
- [Safety & Health Program Development and Implementation, April 8 – May 6](#)
- [Occupational Health & Safety Regulatory Update, April 11](#)

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

- Title 22: Hazardous Waste Handling, March 21
- Underground Storage Tank Designated Operation Workshop, March 28

Please email Stanley Li, Newsletter Editor at Stanley.Li@parc.com if you have an event that you would like posted on our upcoming events page. All notices are subject to BAESG Board member approval.

Special Request

If you are interested in speaking at the 2014 PDC, we are looking for speakers who can reveal some of their insights and experiences on the topic of PDC in a changing economy. One of the biggest concerns for people interested in career development within Environmental Health Safety is that they have the appropriate education and experience in the industry, but companies are looking for specific skill sets that may not be included in their resumes. If you have insights or experiences that can help people overcome this situation, we would love to hear from you. Please contact Mershad Yazdi via email: myazdi@ymail.com

Jobs Posting

Enviro Safetech – San Jose, CA

SAFETY SPECIALIST

Responsibilities include: Providing safety training, performing safety inspections, developing safety programs and much more for our clients. Candidates must have the following experience and knowledge to qualify for this position:• 2-10 years as a full time safety professional• Familiar with Cal/OSHA regulations• Certification (CSP, CHST, CIH)• Fluent in Spanish a plus

Salary is commensurate with certification and experience. Our company offers excellent stability (have been in business for 21 years in the Bay area) and benefits. Candidates who have a stable work history and meet the above requirements are encouraged to apply. Travel is expected to be minimal. To apply: Please email resume in confidence to Jay Jamali at: jayjam@envirosafetech.com

CEMEX – San Jose, CA

Manager, Health and Safety

Responsible for the implementation and management of a site-specific, comprehensive Health and Safety programs throughout assigned locations. The comprehensive Health and Safety program will be defined by the parameters of the global CEMEX, Inc. Environmental, Health, and Safety Department, and CEMEX, Inc. Health and Safety programs.

To apply: <https://cemex.taleo.net/careersection/2/jobdetail.ftl?job=72601>

Google - Mountain View, CA

Program Manager, Data Center Global EHS Construction Safety

Responsibilities

- Manage EHS transition activities/programs from datacenter construction to operation.
- Manage site construction safety facilitators and electrical safety program.
- Ensure consistent site leading indicators are presented to stakeholders.
- Visit data center sites/campuses as needed for operational activities, training, audits and projects.

To apply:

https://www.google.com/about/careers/search/?src=Online/Job%20Board/indeed&utm_source=indeed&utm_medium=jobaggr&utm_campaign=freeaggr#!t=jo&jid=29335001

Safety Kleen - San Jose, CA

Environmental Technician III

The Environmental Technician III is responsible for the performance of tasks associated with hazardous waste clean-up, site-remediation, equipment decontamination and handling of hazardous materials.

To apply: http://jobview.monster.com/Environmental-Technician-III-San-Jose-CA-Job-San-Jose-CA-US-131455902.aspx?WT.mc_n=Indeed_US&from=indeed

Matheson, Inc. - Hayward, CA

Senior Environmental Project Manager

The Senior Project Manager will include complete responsible for managing multiple projects with the realm of expertise of the specific supervisor. This work may require overall management, implementation, and accountability of all assigned projects. In addition, employees fulfilling this position must be willing to perform necessary work in order to fulfill the clients and project needs.

To apply: http://bayarea.jobing.com/Job_Details2.asp?JobID=4434282

Leidos, Inc. (formerly SAIC) - Moffett Field, CA

Safety Engineer

The Senior Safety Engineer will have knowledge and experience in the areas of safety requirements and experience to assure that these comply with NASA safety standards, procedures and requirements.

This position involves comprehensive knowledge of the safety field and the ability to complete difficult and complex assignments. Must have good leadership, analytical, and reasoning skills as well as the ability to communicate complex ideas and provide innovative solutions. Requires the ability to operate independently and communicate effectively, both internally with technical staff, peers, and management as well as externally with customers.

To apply: <http://jobs.leidos.com/job/Oakland-Safety-Engineer-Job-CA-94601/42486700/>

Shimmick Construction- NW CA region

Safety Manager

To apply: <http://www.linkedin.com/jobs2/view/10427778?trk=eml-jymbii-organic-job-title&refId=2b127e61-2be9-4f9f-a05a-1a754325a1b6>

If you are interested in receiving updates about current job openings in our industry, or if you would like to communicate a current job opening to other BAESG members, please email our Jos Coordinator Quinn Duane at jobs.baesg@gmail.com

BAESG MEMBERSHIP APPLICATION

Please use your browser's PRINT command to print this membership application form. Please complete the form and attach membership dues. Annual membership dues are \$50.00. (\$25.00 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: _____

Application Date: _____ New Renewal

Full-time Student? Yes ___ No ___

Certifications (such as PE, CIH, CSP, CHMM) _____

Job Title (or field of study): _____

Company or (College/University): _____

Mailing Address: _____

City, State, and Zip Code: _____

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

Email address: _____

Monthly newsletters will be sent to the above email address.

Would you like to receive job opportunities? yes no
at what e-mail address? same this one: _____

Areas of Interest: Please indicate any areas of special interest that you would like to see covered during the monthly meetings.

TOPIC: _____

PRESENTING? Yes ___ No ___ **TOPIC:** _____