

# Safety Insider

July 2014

## Bay Area Environmental Safety Group

### Meeting Time and Location

Wednesday, July 16, 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](http://www.baesg.org) or see Page 3

RSVP at  
[baesgreservation@gmail.com](mailto:baesgreservation@gmail.com)

July Meeting Topic:

## Sampling 101- An Introduction to the Analytical Laboratory

As a follow up to last month's stormwater permitting discussion, we will review the interactions between the field sampler and the lab, including pre-sample planning, sample chain of custody and method selection. Key topics within the discussion will include sample matrices, supplies, holding times and preservatives. The goal of any project is to collect relevant and valid data; ensuring regular communication with the lab will aid in the safe and successful completion of your project.

### Speaker's Bio

**Cindy Grace**  
**Test America Laboratories**

Cindy Grace Account Executive for Northern California/Portland market areas with Test America Laboratories. Cindy has fifteen years' experience within the environmental industry. She has previously worked in consulting, risk management, indoor air quality, and hazardous waste management. Cindy received her B.S. Degree in Environmental Science from DePaul University in Chicago, Illinois.

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# Member Spotlight



## Claudette Altamirano

Claudette has been in the field of EH&S for over 20 years. Thus, she has witnessed the evolution of many environmental and safety regulations. Claudette holds a bachelor degree in Environmental Science from UC Berkeley and a master degree in Environmental Management from University of San Francisco. Claudette feels pride for working in the industries instead of the government because she can make contributions in the process of keep the employees and the environment in a justified and safe manner.

Claudette believes that the biggest challenge in EH&S is that good decisions are not noticeable by management because it seems to be natural that employees can go home safely. However, if bad decisions were made, the consequences would not merely related to financial loss, but they might possibly involve injuries and environmental damages. Therefore, it is critical for EH&S professionals to make prudent decisions to prevent significant negative consequences. Lastly, Claudette encourages her colleagues to be as outspoken as possible. Claudette believes that it is crucial to be a leader in the field and educate upper management regarding how to comply with the regulations.

# Regulatory Update

OSHA announces final rule revising standards  
for electric power generation, transmission and distribution

**WASHINGTON** – The Occupational Safety and Health Administration today announced that it would be issuing a [final rule](#)\* to improve workplace safety and health for workers performing electric power generation, transmission and distribution work.

"This long-overdue update will save nearly 20 lives and prevent 118 serious injuries annually," said Dr. David Michaels, assistant secretary of labor for occupational safety and health. "Electric utilities, electrical contractors and labor organizations have persistently championed these much-needed measures to better protect the men and women who work on or near electrical power lines."

OSHA is revising the 40-year-old construction standard for electric power line work to make it more consistent with the corresponding general industry standard and is also making some revisions to the construction and general industry requirements. The updated standards for general industry and construction include new or revised provisions for host and contract employers to share safety-related information with each other and with employees, as well as for improved fall protection for employees working from aerial lifts and on overhead line structures. In addition, the standards adopt revised approach-distance requirements to better ensure that unprotected workers do not get dangerously close to energized lines and equipment. The final rule also adds new requirements to protect workers from electric arcs.

General industry and construction standards for electrical protective equipment are also revised under the final rule. The new standard for electrical protective equipment applies to all construction work and replaces the existing construction standard, which was based on out-of-date information, with a set of performance-oriented requirements consistent with the latest revisions of the relevant consensus standards. The new standards address the safe use and care of electrical protective equipment, including new requirements that equipment made of materials other than rubber provide adequate protection from electrical hazards.

The final rule will result in estimated monetized benefits of \$179 million annually, with net benefits equal to about \$130 million annually.

Additional information on the final rule is available at [http://www.osha.gov/dsg/power\\_generation/](http://www.osha.gov/dsg/power_generation/). The final rule becomes effective 90 days after publication in the Federal Register. OSHA adopted delayed compliance deadlines for certain requirements.

Under the [Occupational Safety and Health Act of 1970](#), employers are responsible for providing safe and healthful workplaces for their employees. OSHA's role is to ensure these conditions for America's working men and women by setting and enforcing standards, and providing training, education and assistance. For more information, visit [www.osha.gov](http://www.osha.gov).

# News Release

## Chemical Blast Kills One, Injures Several Others at GM Stamping Plant

Jul 3, 2014 [Josh Cable](#) | EHS Today



Indiana OSHA is investigating a chemical explosion that killed one contractor and injured several other workers Tuesday afternoon at a General Motors stamping plant in Marion, Ind.

GM evacuated the plant after the explosion, which killed 48-year-old James Gibson.

Marion Fire Chief Paul David told the *Associated Press* that the explosion involved a chlorine dioxide tank, and that the chemical continued spilling out after the blast. [According to the Associated Press report:](#)

*A hazardous materials crew contained the spill, and firefighters were rinsing off the skin of everyone who may have come into contact with the chemical. If inhaled, the chemical can cause lung problems and can irritate the skin and eyes.*

Located about 60 miles north of Indianapolis, GM's Marion Metal Center employs about 1,600 people and provides blanks, stampings and sheet-metal assembly to other GM factories.

**[http://www.youtube.com/watch?feature=player\\_embedded](http://www.youtube.com/watch?feature=player_embedded&v=cOinDaCqWZ4)**  
**[&v=cOinDaCqWZ4](http://www.youtube.com/watch?feature=player_embedded&v=cOinDaCqWZ4)**

## Featured Article

### Respirators Are Not Enough: New Study Examines Worker Exposure to Silica in Hydraulic Fracturing Operations

Some workers are exposed to 10 times the recommended exposure limit for crystalline silica during hydraulic fracturing operations.

By Sandy Smith



While silica exposure most often is linked to construction work, researchers have found that some workers at hydraulic fracturing operations are exposed to as much as 10 times the recommended exposure limit for crystalline silica.

A new study, “Occupational Exposures to Respirable Crystalline Silica During Hydraulic Fracturing,” found respirable crystalline silica, a human lung carcinogen, to be an occupational exposure hazard for workers at hydraulic fracturing (fracking) operations. Researchers also found that the most commonly used type of respirator – the half-mask air-purifying respirator – might not provide enough protection for workers.

The study, published in the *Journal of Occupational and Environmental Hygiene* (JOEH), is the first systematic investigation of worker exposure to crystalline silica during directional drilling and fracking operations, a process used to stimulate well production in the oil and gas industry.

Field researchers from the NIOSH Western States Office (WSO) and the Division of Applied Research and Technology (DART) collected 111 personal breathing zone samples at 11 sites in five states over a 15-month period to evaluate exposures to respirable crystalline silica during fracking operations.

“Certain work in this industry requires employees to be in areas where respirable silica levels may exceed defined occupational exposure limits like the OSHA Permissible Exposure Limit or the NIOSH Recommended Exposure Limits [RELs],” said researcher Michael Breitenstein, who is with the NIOSH

DART in Cincinnati. “However, our study found that in some cases, full shift personal breathing zone exposures exceeded 10 times the REL.”

Respirable silica is the portion of crystalline silica that is small enough to enter the gas-exchange regions of the lungs if inhaled and includes particles with aerodynamic diameters less than approximately 10 micrometers ( $\mu\text{m}$ ). Occupational exposures to respirable crystalline silica are associated with the development of silicosis, lung cancer, pulmonary tuberculosis and other respiratory diseases. These exposures also may be related to the development of autoimmune disorders, chronic renal disease and other adverse health effects.

“Although half-mask, air-purifying respirators are most commonly used at hydraulic fracturing sites, due to the magnitude of the silica concentrations measured, half-masks might not be sufficiently protective,” said researcher Eric J. Esswein, of the NIOSH WSO in Denver. “In some cases, silica concentrations exceeded the maximum use concentration for that type of respirator.”

According to NIOSH, the risks of silica exposures for workers exposed at or above the REL (0.05 mg/m<sup>3</sup>) may be minimized by substituting less hazardous materials and using engineering controls to limit exposures. In cases when engineering controls are not sufficient to keep exposures below the REL, NIOSH recommends using appropriate respiratory protection, and making medical examinations available to exposed workers.

# MEETING LOCATION

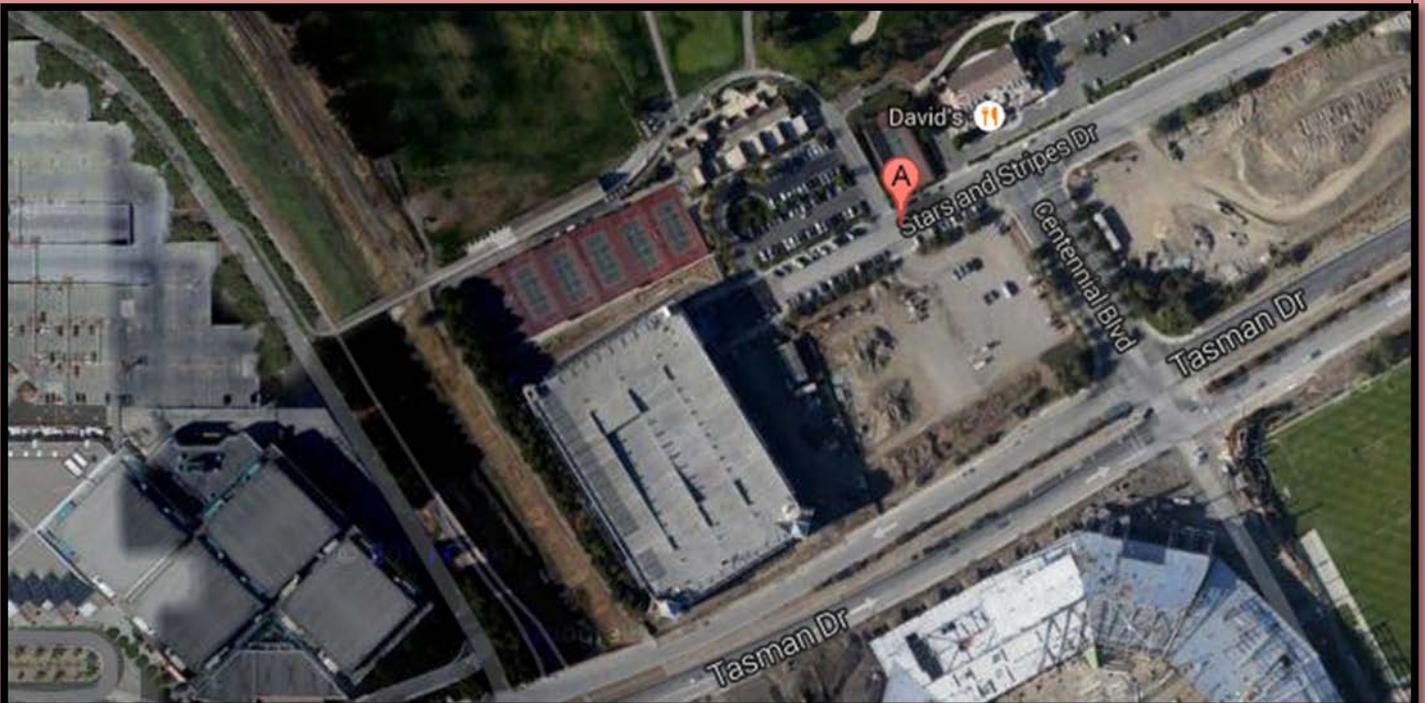
Santa Clara Golf and Tennis Club Conference Center  
5151 Stars and Strips Drive  
Santa Clara, CA, (408) 980-9515

(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



**Prestige Safety Rx**  
Local On-site Safety Eyewear Provider  
[www.prestigesafetyrx.com](http://www.prestigesafetyrx.com)  
650-266-8584 / 800-272-9226



**NCA|ETC**  
NORTHERN CALIFORNIA  
ENVIRONMENTAL  
TRAINING CENTER



**genium**  
Waste In. Green Out.

Save the date for Professional Development  
Conference 2014, Wednesday October 15.  
Location and topics to be determined.



**Upcoming Events**

**August Joint Meeting with ASSE, San Jose Chapter**

**August 12 @ 11:30pm**

**Location: Biltmore Hotel at the corner of 101 &  
Montague**

**Topic: “Crisis Management Utilizing Social Media”**

**Speaker: Mr. Zach Perron**

# **Announcement**

## **BAESG PDC Event**

**Event Date: October 15, 2014.**

**Venue: Palo Alto Research Center (PARC)**

**Address: 3333 Coyote Hill Road**

**Palo Alto, CA 94305**

**Tel: 650-812-4000**

**Alternative Transportation can are available. Shuttles  
service the area from Palo Alto Cal Train Station.**

## 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/>)

- [40-Hour Hazardous Waste Operation & Emergency Response Training \(Federal OSHA, 29 CFR 1910.120\) - August 18 - 22](#)
- [Waste Stream Management - September 8 – October 27](#)
- [Regulatory Framework for Toxic & Hazardous Material – October 1 – 29](#)

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

- DOT 49 CFR Hazardous Material Transportation – July 11

**Please email Stanley Li, Newsletter Editor at [Stanley.Li@parc.com](mailto: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.**

## Recent Jobs Posting

### **Program Manager, Data Center Global EHS Construction Safety Compliance- Google - Mountain View, CA,**

The Data Center team designs and operates some of the most sophisticated electrical and HVAC systems in the world. As a Environmental & Safety Technician, you monitor and support all environmental, health and safety (EHS) activities at Google's data centers. You take ownership of the EHS programs for data center operations and are at the forefront of best-in-class environmental/safety practices. In addition, you ensure that contractors deliver quality services and that problems are identified and properly corrected quickly. You bring the ideas of our Data Center EHS team to life and develop creative approaches to improve performance and efficiency.

You will be responsible for the recognition, evaluation, and control of hazardous conditions at data centers globally. You will be responsible for identifying and mitigating environmental and safety risks at construction sites, as well as the transition from design to construction to operational activities, and serve as the expert for electrical safety work practices.

For more information, or to apply for the position go to:

[https://www.google.com/about/careers/search?src=Online/LinkedIn/linkedin\\_us&utm\\_source=linkedin&utm\\_medium=jobposting&utm\\_campaign=contract#!t=jo&jid=29335001](https://www.google.com/about/careers/search?src=Online/LinkedIn/linkedin_us&utm_source=linkedin&utm_medium=jobposting&utm_campaign=contract#!t=jo&jid=29335001)

### **Senior Environmental Scientist, Conestoga-Rovers & Associates (CRA) - San Francisco Bay Area**

#### Responsibilities

- Capable of completing environmental due diligence (Phase I/II ESAs) for a diverse client base including oil & gas, industrial manufacturing, food processors, real estate and property developers, law firms, etc.
- Multi-media environmental regulatory compliance audits including air, GHG, waste and water
- Competencies with environmental management systems, compliance planning, and regulatory policy development
- Perform chemical inventory reporting, CEQA/NEPA compliance and wetland permitting, environmental release reporting, solid and hazardous waste compliance and reporting, and/or emergency response planning and compliance
- Manage several projects simultaneously involving due diligence, Phase I assessments, compliance audits, permitting and compliance support

#### Qualifications

- B.S. in Environmental Science, Biology, or related field; M.S. preferred
- Minimum of 5 years experience in CEQA/NEPA and wetland permitting
- Demonstrated past experience within California working with both Coastal environments and the Central Valley desired
- Candidate should have a strong area of expertise and diverse background with multiple areas of competency including wetland experience, wetland delineation and/or biological survey experience preferred
- Knowledge of regulatory environmental requirements in California
- Excellent technical writing skills
- Proficiency in MS Word, Excel, PowerPoint & Outlook
- OSHA 40 Hour HAZWOPER training is a plus

For more information, or to apply for the position go to:

<https://shimmick.tms.hrdepartment.com/jobs/18/Safety-ProfessionalOakland-CA>

## **Bay Area Area Safety Manager, Republic Services - San Pablo, CA**

### **Principal Responsibilities**

\* Provides technical expertise and consultation to Area leadership to promote and implement safety-related training programs that drive sustainable, proactive safety conscience behaviors.\* Ensures that Area loss prevention programs are in place to maintain compliance with applicable federal, state and local safety regulations that govern the solid waste industry. Assesses Division and Business Unit loss control program activities efforts to communicate, train and develop critical skills.\* Monitors Division and Business Unit implementation of safety and loss prevention programs, including Focus 6 programs; takes action to redirect activity where performance falls short of targets.\* Ensures continued compliance with applicable OSHA safety regulations throughout all Divisions and Business Units is maintained.\* Ensures continued compliance is maintained with Federal and State Department of Transportation regulations throughout all Divisions and Business Units; ensure recordkeeping requirements are met.\* Partners with Human Resources leaders to ensure that safety sensitive messages are in place and effectively communicated in new hire orientation training programs; collaborates to develop overall effective safety programs; provides ongoing safety training.\* Provides technical expertise and acts as a resource in the preparation of training materials. Supports monthly employee safety meetings by ensuring that leadership promotes and consistently relays the organization's values and beliefs regarding a safe working environment.\* Ensures ongoing management of return to duty (modified / light duty) programs. Partners with HR and Division management to minimize time away from work due to work related injuries and incidents.\* Participates in investigation of serious accidents / injuries and monitors supervisor investigations of all minor accidents and injuries.\* Provides Area leadership with timely accident / injury trending and other compliance reports. Interprets data and makes recommendations where appropriate to address negative trends.\* Participates in division OSHA or DOT compliance inspections as well as audits that may occur.\* Performs other duties as assigned or apparent.The statements herein are intended to describe the general nature and level of work being performed by employees, and are not to be construed as an exhaustive list of responsibilities, duties, and skills required by personnel so classified. Furthermore, they do not establish a contract for employment and are subject to change at the discretion of the Company.#

### **Preferred Qualifications**

\* A professional safety certification through a nationally recognized safety organization, such as the National Safety Council or a college degree in Safety Management.\* Successful completion of 40-hour OSHA compliance course.\* Successful completion of 8-hour DOT compliance course.

For more information, or to apply for the position go to:

<http://republicservices.jobs/san-pablo-ca/area-safety-manager/85F1F9224E0C4E36880020C86E5EAD9F/job/?vs=1548>

## **Environmental Health and Safety Manager, CBRE - CA-San Francisco**

### **Responsibilities**

The purpose of this position is to implement and manage EH&S (Environmental, Health and Safety) programs for a large national/international corporate account, market area or geographical region.

Manages and implements HSE programs and initiatives to meet regulatory requirements and HSE needs of a client account(s). Evaluates new and existing programs to assess suitability and the need for changes.

### **Qualifications**

Bachelors degree (BA/BS) in EH&S from four-year college or university. Minimum of 5 years of related experience.

Demonstrated knowledge of federal, state and local health and safety, and environmental regulations is essential. Direct experience dealing with regulatory agencies and / or compliance officers is preferred.

Experience working in real estate, construction, and / or facility maintenance and management is preferred.

As required by local authority (if required). Certified Safety Professional (CSP), Certified Industrial Hygienist (CIH), Certified Hazardous Material Manager (CHMM), Occupational Health and Safety Technician (OHST) - Preferred

For more information, or to apply for the position go to: <http://www.cbre.com/EN/careers/Pages/default.aspx>

### **Safety Manager, Silverado Contractors, Inc. - San Francisco Bay Area**

Silverado Contractors is in need of an experienced Safety Manager. The company is located in Northern California and requires someone who has managed safety for a multi-location contractor.

#### **Responsibilities include:**

- Administration and implementation of the Safety and Health Regulations as they apply
- Assist project managers and superintendents in development of job hazard analysis
- Coordinate safety consultants/training providers as required for specific training
- Develop annual budget for safety
- Ensure that all sub and trade contractors abide by their safety and health program and that documentation is made of any alleged violations.
- Facilitate monthly supervisor safety meetings.

#### **Desired Skills and Experience**

Bilingual in English and Spanish is mandatory.

Minimum of five years of experience as a safety manager in a construction company with multiple worksites.

Experience in a union environment is preferable

Education/Training: CSP (Certified Safety Professional) strongly preferred

For more information, or to apply for the position go to: <http://www.silveradocontractors.com/>

### **Security, Health & Safety Manager, Lending Club - San Francisco Bay Area**

As Lending Club's Security, Health & Safety Manager, you will be responsible for developing key programs and practices that ensure a secure and healthy workplace for all our employees and guests. Success in this role will require a person who can build best-of-class programs, as well as effectively administer them. If you are a hands-on leader, this is an excellent opportunity to put your stamp on a growing portfolio. DescriptionKey Components

Builder mindset – Lending Club is a recognized leader in a disruptive business model; we are continually adding new product lines and new business practices. The Security, Health and Safety programs supporting this growth, will need to be tailored to fit something new. Candidates will need to demonstrate success with building innovative programs and practices.

Great experiences – Lending Club delivers great experiences to investors, borrowers, employees and guests. Its workplace reflects a culture of openness, high energy and collaboration. This position will influence the delivery of those experiences; including overseeing its ergonomic programs, contributing to effective healthy lifestyle programs, and ensuring appropriate levels of physical security.

#### **Requirements –**

- 5-7 years experience in roles of increasing responsibility, developing and managing programs related to physical security, health and safety and emergency response.
- Collaborative, willing to roll up sleeves, able to think and work strategically with a diverse team.
- Excellent interpersonal skills with demonstrated ability to work effectively with business leaders.
- Bachelor's degree, preferred (would entertain candidates with undergraduate credits plus strong experience, and/or military related backgrounds).
- Helpful - Certified Protection Professional (CPP) certification from the American Society of Industrial Security (ASIS)

For more information, or to apply for the position go to: <https://www.lendingclub.com/public/careers.action>

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### **Qualifications**

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- Demonstrated past experience within California working with both Coastal environments and the Central Valley desired;
- Candidate should have a strong area of expertise and diverse background with multiple areas of competency including wetland experience, wetland delineation and/or biological survey experience preferred.

For more information or to apply for this position go to:

[http://www.craworld.com/en/careers/Careers.asp?\\_mid\\_=13041](http://www.craworld.com/en/careers/Careers.asp?_mid_=13041)

# 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:** \_\_\_\_\_