



# Safety Insider

July 2007

Volume 17, Issue 6

## Inside This Issue:

July Meeting  
Announcement 1

Monthly  
Musing 2

Professional  
Development  
Conference 2

News & Updates 2

Upcoming  
Events 11

Job and Career  
Opportunities 12

Membership  
Information &  
Application 17

### **July Meeting Announcement:**

**“Water Conservation Programs for Businesses”**

*Presented by Karen Morvay,  
Water Conservation Specialist, Santa Clara Valley Water District*

The Bay Area and State, in general have had a very dry winter. Because of this, the Santa Clara Valley Water District is suggesting for residents to limit and help conserve water usage. In fact, the Water District has suggested a 10% reduction in resident water usage.

Because of this concern, we felt it would be a good idea to have a person experienced on water conservation for businesses speak at our July BAESG meeting. Our speaker this month is Karen Morvay, a Water Conservation Specialist with the Santa Clara Valley Water District for the past seven years. She has a Bachelor of Arts in Political Science from UC Santa Cruz and a Master of Science in Environmental Studies from San Jose State University.

Come and get information on how you can help your company conserve water usage. Network also with your friends in the Bay Area Environmental Safety Group!

**We hope to see you there!**

### Meeting Time and Location:

**Wednesday July 18<sup>th</sup>, 11:30 am – 1:00 pm**

Meetings are held at Arthur’s Restaurant. This South Bay land-mark is located at 2875 Lakeview Dr, Santa Clara.

From US 101 take the Bowers Ave /Great America Parkway Exit and head south on Bowers. Turn right on Augustine Dr. (approx. one block from freeway) and then take another right on Lakeview Dr.

Registration begins at 11:30 and the Presentation will run from noon to 1:00 pm, with an opportunity for networking in between.

Lunch features a sumptuous Buffet featuring a variety of choices, including vegetarian entrees.

Cost is \$20.00 for members with reservation and \$25 for non-members. Walk-ins are charged a \$5.00 handling charge.

# Monthly Musings

Newsletter Editor, Rebecca Anderson

A very exciting email arrived in my mailbox earlier this month- the 2007 BAESG Membership Directory! Throughout the year, I find myself referring to this great document to find references on consultants and vendors, reconnect with old colleagues, and to ask questions on tricky issues (see "Does Shipping Batteries require a Hazmat Hauler?" on page three).

I can also look to the membership director to see who has made a positive and lasting impact in the world of EH&S, and specifically in the realm of BAESG. I am referring to those members awarded "Honorary Lifetime Membership" status by the BAESG due to above and beyond contributions to this great organization. Included in this list are:

## "Honorary Lifetime Membership" Awardees

Paul Burnett

David Ham

Steve Hauptman, CSP, REA, CSHM

Lee Neal

Scott Norman, CSP

Ed Sawicki

Today I have a special reason for calling out the Honorary Lifetime Membership status of these professionals, Ed Sawicki has been awarded the Lifetime Achievement Award by the Semiconductor Environmental Safety & Health Association, SESH. This is a great honor for Ed and BAESG would like to congratulate him! Please see the article at the bottom of this page for details on Ed's achievements.

If you read this article and said to yourself: "That sounds like a great directory!! Where's my copy??" Simply email our secretary, Mark Gordon at [baesgresv@comcast.net](mailto:baesgresv@comcast.net) and he will be sure to mail you the link to the online directory. Remember! The directory is for members only- so if you have friends who could benefit from this living document, be sure to refer them to our membership director, [mmaccalla@deconenv.com](mailto:mmaccalla@deconenv.com), for details on joining.

**Thanks to Mark and Michael for all the hard work with the directory and Lana Spencer for invaluable guidance!**

## Mark your Calendars! PDC scheduled for Oct 17<sup>th</sup>

5<sup>th</sup> Annual Professional Development Conference: Wednesday, Oct. 17<sup>th</sup> at Mission College

## News and Updates

### SESHA Honors Applied Materials' Sawicki with Lifetime Achievement Award

CONTACT: Brett J. Burk 703-790-1745

Press Release - June 5, 2007

The Semiconductor Environmental Safety & Health Association (SESHA) honored Ed Sawicki with its Lifetime Achievement Award at SESH's 29th Annual International High Technology ESH Symposium & Exposition held April 10-14 in Santa Clara, CA. The Lifetime Achievement Award recognizes a uniquely qualified individual for a lifetime of dedication and achievement in significantly advancing the fields of environmental health and safety in the semiconductor industry. Sawicki is currently a senior director and the regulatory compliance officer for the Santa Clara based Applied Materials, Inc.

Sawicki was one of the original founders and a past chairman of the board for the Semiconductor Safety Association (SSA), now SESH. He is a founding father and past president of the Bay Area Electronics Safety Group, and has served in key leadership positions for the San Jose Chapter of the American Society of Safety Engineers and the Santa Clara County National Safety Council.

He has received the Award of Merit from the City of Sunnyvale, CA, and recognition from the City of Santa Clara, CA, and the World Environmental Center attached to the United Nations. He has contributed as an author to the publication of several hazardous materials laws both within the State of California and overseas.

Sawicki began his ESH career as Intel Corporation's first safety engineer and eventually became Intel's Corporate Director of Safety and Health Worldwide. After Intel, Ed formed Microsafe Inc., a consulting, equipment sales, and decontamination company that specialized in microelectronics. Ed started and nurtured SESH's scholarship program, for

graduate students involved in the pursuit of advanced degrees in Environmental, Safety and Health. The scholarship program continues today.

SESHA awarded 10 additional scholarships to students at the 2007 annual symposium, held April 10 through 14, bringing the overall number of SESHAs scholarship winners to several hundred.

A former "Black Operations" Green Beret whose exploits have been documented in several books, Sawicki has lectured at numerous colleges and universities including Stanford, UC Berkeley, University of Minnesota, University of Wisconsin, University of Texas, and Cal Poly. He holds the Bronze Star and Army Commendation medals for heroism in ground combat in Viet Nam.

About SESHAs ([www.seshaonline.org](http://www.seshaonline.org))

SESHA is the premier Environmental Safety & Health association serving the global semiconductor and associated technology industries. It provides value to its members through education and professional development. SESHAs was formed in 1978 as SSA at an informal meeting of nine safety and health professionals desiring to exchange safety information. The nonprofit membership association has grown into an organization with over 500 US and international members from the semiconductor and other high technology disciplines.

## **Air Resources Board Executive Director Resigns**

Sacramento Business Journal, Monday July 2, 2007

By Staff Writer Celia Lamb

California Air Resources Board executive director Catherine Witherspoon resigned her position Monday, expressing frustration with Gov. Arnold Schwarzenegger's environmental policy management.

"I've had it with contradictory signals from the governor's office, and micromanagement on the side of delay and public statements chastising us for not doing more," she said.

Her action follows the firing last week of former Air Resources Board chairman Robert Sawyer.

The governor's press secretary, Aaron McLear, said last week that Sawyer had "stepped down." Today, McLear said the governor had "rescinded his appointment."

"He was frustrated with the direction of the board," McLear said, referring to a June 22 press release in which the governor said he was "deeply disappointed that the California Air Resources Board voted last week to seek an 11-year delay in enforcement of federal air quality standards in the San Joaquin Valley."

McLear said the governor was upset Witherspoon had written to the U.S. Environmental Protection Agency asking for the extension without first notifying him.

"We found out about that letter through a reporter and not through CARB," McLear said.

Witherspoon said the board had recommended air districts in both the San Joaquin Valley and Southern California requested time extensions because the technology needed to clean up the air to federal standards does not exist. The San Joaquin Valley Air Pollution Control District asked the EPA to bump it up from a "serious" to "extreme" category, meaning the district would have to meet stricter air pollution limits but its deadline would be extended from 2014 to 2024, she said.

Witherspoon said the governor used the San Joaquin Valley plan as an excuse for firing Sawyer, but it wasn't the real reason. "Dr. Sawyer was fired for trying to do more about greenhouse gas emissions," Witherspoon said.

For another article on this issue, see <http://www.latimes.com/news/local/politics/cal/la-me-airboard3jul03,1,4861463.story?ctrack=1&cset=true>

## **Does Shipping Batteries (lead acid) require a Hazmat Hauler?**

One of the best things about the EH&S Industry is our collaborative nature. Recently, one of our members asked some colleagues about shipping batteries and if this requires a hazmat hauler or any special permitting, labeling, etc. He got an excellent response to his answer:

"The following is from 49 Code of Federal Regulation (CFR) 173.159 (e):

(e) Electric storage batteries containing electrolyte or corrosive battery fluid are not subject to the requirements of this subchapter for transportation by highway or rail if all of the following requirements are met:

- (1) No other hazardous materials may be transported in the same vehicle;
- (2) The batteries must be loaded or braced so as to prevent damage and short circuits in transit;
- (3) Any other material loaded in the same vehicle must be blocked, braced, or otherwise secured to prevent contact with or damage to the batteries; and
- (4) The transport vehicle may not carry material shipped by any person other than the shipper of the batteries.

As long as requirements (1) through (4) above are met, we do not need to ship these batteries via a hazardous materials carrier. Also the truck shipping them does not need to be placarded. I confirmed this information with DOT and Calif. Highway Patrol this morning. "

***If you have any questions OR have some great information recently learned to share with other BAESG members, please email the newsletter editor at [baesgnews@gmail.com](mailto:baesgnews@gmail.com) . We would love to include your dialogue!***

### **OSHA Develops Database of Chemical Information**

OSHA QuickTakes, June 2007 Monthly e-news

OSHA recently launched a database of information on more than 800 chemicals commonly found in the workplace. The OSHA/EPA Occupational Chemical Database allows users to quickly and easily retrieve information on chemicals such as their physical properties and exposure limits. The database compiles information from several government agencies and organizations, including the National Institute for Occupational Safety and Health and the Department of Transportation. <http://www.osha.gov/web/dep/chemicaldata/#target>

### **Spit on Polish: community advocates focus on dangers of nail salons**

Daily Grist: Top Environmental News from Around the Globe; Wednesday June 27, 2007

They say a rising tide lifts all boats, and the rising tide of eco-awareness is now lifting ... nail salons. The fume-filled shops are getting attention from groups eager to expose their health risks, which can include cancer and birth defects. The U.S. EPA has given two Seattle-area nonprofits a \$100,000 grant for a three-year "Toxic Beauty" project that will educate owners and consumers about the downsides of pretty paints, as well as looking into alternative products and equipment. And in Oakland, Calif., the Participatory Research, Organizing, and Leadership Initiative for Safety and Health -- or POLISH, like you didn't see that coming -- educates cosmetology students about industry regulations and plans to partner with the University of California-Berkeley to research air quality in local salons. Environmental-justice advocates in both areas note that most local salon owners are Vietnamese, so polish poses disproportionate dangers based on race. And you thought it was just a beauty aid.

Seattle Post-Intelligencer: [http://seattlepi.nwsource.com/local/321350\\_nailsalon27.html](http://seattlepi.nwsource.com/local/321350_nailsalon27.html) , Lisa Stiffler, 26 Jun 2007  
Novo Metro: [http://novometro.com/news\\_details.php?news\\_id=2238&is\\_break=Y](http://novometro.com/news_details.php?news_id=2238&is_break=Y) , Ly Nguyen, 25 Jun 2007

### **Here Comes the Sun: Are Your Eyes Ready for it?**

Occupational Hazards, June 12, 2007 By Sandy Smith

You know the sun can be harmful to your skin, but do you know about the damage it can inflict on your eyes?

Most people know the harmful effects – such as premature aging and skin cancer – that ultraviolet (UV) rays can have on their skin. But many are not aware of the damage that UV rays can cause to the eyes. Possibly the most frightening aspect of UV damage is that it is cumulative; the negative effects may not present themselves until years later. A recent survey sponsored by Transitions Optical Inc. revealed that although 82 percent of respondents knew that extended exposure to the sun could cause skin cancer, only 9 percent knew it could damage vision. Additionally, only one in six respondents said they wear sunglasses when they prepare for extended exposure to the sun and only one-third said they wear a hat.

“Most of us wouldn’t dream of staying outside in the sun without putting on sunscreen lotion,” said Daniel Garrett, senior vice president of Prevent Blindness America. “But we also have to remember to wear both UV-blocking lenses and a brimmed hat to protect our eyes as well.”

### **Protecting the Eyes**

Eyes can be protected from UV rays in two important ways: By knowing the dangers of UV rays (see sidebar) and by wearing proper eye protection and hats that block UV rays.

UV rays can come from many directions. Although they radiate directly from the sun, they also are reflected from the ground, water, snow, sand, glass, road and other bright surfaces.

Prevent Blindness America counsels anyone working or playing outside to use eyewear that absorbs UV rays and to wear a brimmed hat or cap. A wide-brimmed hat or cap will block about half of UV rays, according to the experts at Prevent Blindness America. A brimmed hat or cap also can limit UV rays that hit the eyes from above or around glasses.

Eyewear that absorbs UV rays offers the most protection. All types of eyewear, including prescription and non-prescription glasses, contact lenses and lens implants, should absorb UV-A and UV-B rays. For UV protection in everyday eyewear, there are several options, including UV-blocking lens materials, coatings and photochromic lenses. UV protection does not cost a lot of money and does not get in the way of seeing clearly.

### **Choosing Sunglasses**

Sunglasses help in two important ways: They filter light and they protect the eyes from damaging UV rays. Mounting scientific evidence shows that long-term exposure to UV rays can lead to cataracts, macular degeneration or skin cancer around the eyelids. Encourage employees to choose sunglasses that:

- Reduce glare.
- Filter out 99 to 100 percent of UV rays.
- Protect the eyes.
- Are comfortable to wear.
- Do not distort colors.

Outdoor workers should be aware that if they are in locations where sun glare off of water or snow is an issue, they should wear sunglasses with a darker tint to block more light. The risk of eye damage from the sun is greater because of reflection off the water and snow.

Prevent Blindness America warns that sunglasses manufacturers do not always attach a tag or label stating the amount of UV radiation that sunglasses block. Only buy sunglasses that provide a clear statement about how much UV radiation is blocked. In addition, always read labels carefully and look for labels that clearly state the sunglasses block 99 to 100 percent of UV-A and UV-B rays.

### **Sun Damage**

Extended UV exposure has been linked to several types of eye damage. Laboratory studies have implicated UV radiation as a cause of cataract – a major cause of visual impairment and blindness worldwide – which is a cloudiness of the lens inside the eye that develops over a period of many years. Furthermore, studies have shown that certain types of cataract are associated with a history of higher ocular exposure to UV and especially UV-B radiation.

Other conditions caused or exacerbated by UV exposure include age-related macular degeneration (AMD), which is a leading cause of vision loss in the United States for people age 55 and older. Exposure to UV and intense violet/blue visible radiation is damaging to retinal tissue, and scientists have speculated that chronic UV or intense violet/blue light exposure may contribute to degenerative processes in the retina. Pterygium is a growth of tissue on the white of the eye that may extend onto the clear cornea where it can block vision. It can be removed surgically but often recurs, and can cause cosmetic concerns and vision loss if untreated. Finally, photokeratitis is, essentially, a reversible sunburn of the cornea resulting from excessive UV-B exposure. It can be extremely painful for 1 to 2 days and can result in temporary loss of vision. There is some indication that long-term exposure to UV-B can result in corneal and conjunctival degenerative changes.

For information, see this article and more resources at

[http://www.occupationalhazards.com/zone/329/OHEye\\_and\\_Face\\_Protection/Article/67436/Here\\_Comes\\_the\\_Sun\\_Are\\_Your\\_Eyes\\_Ready\\_for\\_It.aspx](http://www.occupationalhazards.com/zone/329/OHEye_and_Face_Protection/Article/67436/Here_Comes_the_Sun_Are_Your_Eyes_Ready_for_It.aspx)

## **State OES Urges Californias to Prepare for Extreme Summer Heat**

OES Office of Public Information, news bulletin

With the summer heat beginning to hit California, the Governor’s Office of Emergency Services today urged individuals to take steps now to prepare for any prolonged heat waves that occur this year. With the official start of summer next week, its time to begin preparing for the possibility of excessive heat said Henry Renteria, Director of the Governor’s Office of Emergency Services (OES).

Californians can reduce their risk of heat-related illness this summer by taking time now to review and update their emergency plans, learn first aid and CPR, and restock their emergency supply kits, particularly their drinking water

supplies. "Prolonged exposure to extremely high temperatures can be very dangerous, especially for seniors and other vulnerable populations said Renteria. During extreme heat, cooling off for just a few hours can prevent heat stress."

Because drinking fluids is essential in avoiding heat exhaustion, heat stroke and other heat-related illnesses, it is strongly recommended that Californians include plenty of drinking water as part of their emergency supply kits.

Director Renteria also recommended that Californians maintain their supply of portable radios and flashlights ensuring an extra supply of batteries. Last years heat wave placed a significant strain on the states power grid noted Renteria. A working radio and flashlight will provide access to emergency information and instructions, as well as light if power is disrupted due to an overload of the power grid.

This notice comes as OES and other state agencies prepare to implement the seasonal readiness phase of the state Contingency Plan for Excessive Heat Emergencies. The plan, which was developed by a multi-disciplinary task force at the direction of Governor Arnold Schwarzenegger after last July's heat wave caused 143 deaths, outlines state operations during excessive heat emergencies and provides planning guidance for local governments, nonprofit organizations and the private sector.

As part of their emergency planning efforts, OES urges Californians to consider the needs of family members and neighbors who are elderly, have physical impairments and other special needs. Infants, small children, seniors, people with illnesses and those who are taking certain medications could be at additional risk for heat-related illnesses, noted Renteria.

Other simple and cost-effective steps that Californians can take to keep cool and reduce their risk of heat-related illness include: Tightly installing window air conditioners - Making sure that window air conditioners and air conditioning ducts are properly insulated – Placing window reflectors made of cardboard covered with aluminum foil between windows and drapes to reflect heat back outside – Weather-stripping doors and sills - Covering windows with drapes, shades, awnings or louvers to block out the sun.

Additional tips on preparing for heat-related emergencies are available on the California Department of Health Services (DHS) and OES web sites at

<http://bepreparedcalifornia.ca.gov/epo/> and <http://www.oes.ca.gov>,

## **Oil Industry Releases New Safety Standards**

20 June 2007

Associated Press Newswires

Copyright 2007, The Associated Press. All Rights Reserved.

WASHINGTON - An oil industry trade group said Wednesday it has developed standards to better protect workers from explosions like the 2005 Texas refinery explosion that killed 15 people and injured 170.

The American Petroleum Institute's new standards, to be published Thursday, are designed to meet the demands of the U.S. Chemical Safety and Hazard Investigation Board that made an "urgent" recommendation in October 2005, requiring refineries to limit how close workers' portable trailers can be placed near potentially hazardous operations.

The voluntary standards for refiners, such as Valero Energy Corp. and Exxon Mobil Corp., establish three "blast zones" in which portable buildings could be placed, depending on the trailer's construction material and the size of the nearby refinery unit. For example, trailers made of light wood would not be allowed within 330 feet (100 meters) of a potentially dangerous area.

Red Cavaney, the association's chief executive, said refiners would decide whether and when to implement the recommended standards, but said the industry takes them "very seriously."

Cavaney defended the speed with which the industry adopted the chemical safety board's recommendations, saying they required thorough public review with input from experts in the field.

The safety board, which investigated the March 23 accident two years ago at London-based BP Plc's Texas City refinery, found that nine trailers were located as close as 121 feet from a unit that exploded. It was the worst U.S. industrial accident in more than 16 years.

Workers in trailers as far as 480 feet (146 meters) away from the unit were injured, the safety board found, and trailers as far as 600 feet (183 meters) away were damaged.

The Chemical Safety Board issued a report earlier this year that partly blamed lax oversight by the Occupational Safety and Health Administration for the accident.

Federal regulators say they are stepping up scrutiny of oil refineries to identify problems that have caused a spate of fatal accidents in recent years. Since 1992, 36 refinery accidents involving hazardous chemicals have caused 52 deaths and 250 injuries, making the industry the most dangerous in the country, according to OSHA.

Other fatal accidents have occurred at refineries in Bakersfield California, and Gallup, New Mexico.

In March, on the second anniversary of the explosion, House members called for OSHA reforms, arguing that it had not enforced safety rules.

Lawmakers also criticized the industry's trade group for failing to expel members who don't follow safety standards.

Assistant Labor Secretary Edwin G. Foulke Jr. said in March that OSHA would double to 280 the number of workers trained to conduct advanced inspections of refineries.

## **ANSI Committee Works Towards Finalizing Standard Aimed at Reducing Musculoskeletal Problems in Construction Workers**

**Des Plaines, IL (June 4, 2007)** — After years of work, the voluntary consensus standard “Reduction of Musculoskeletal Problems in Construction” (ANSI/ASSE A10.40-200x) will be submitted to the American National Standards Institute (ANSI) for final review. This standard is aimed at reducing musculoskeletal problems/disorders (MSDs) in construction workers.

In 2006, the ANSI A10.40 Committee, a subcommittee of the ANSI A10 Accredited Standards Committee (ASC) on Construction and Demolition Operations, balloted the proposed standard to the A10 ASC for approval. Following approval by the committee six organizations then filed an appeal challenging the standard’s adoption, and a hearing was held on May 1, 2007 to hear the formal complaints. On May 25, 2007, the appeals panel found unanimously that the appeal complaints were without merit and that the Secretariat, the American Society of Safety Engineers (ASSE), complied with the ANSI due process requirements in developing the standard.

“These consensus guidelines could help reduce these workplace injuries,” said ASSE Council on Practices and Standards (CoPS) Vice President James D. Smith. “Our members work with employers and employees daily to increase workplace safety by developing and implementing effective ergonomic solutions—solutions that can remove barriers to quality, productivity and human performance by fitting products, tasks and environments to people, which in turn can save millions of dollars.”

The A10.40 standard will now be sent to the ANSI Board of Standards Review (BSR). The review can take anywhere from 30 to 90 days, and appeals can still be filed during this time.

Some of the potential solutions in the standard aimed at reducing the incidence of MSDs include risk elimination, substitution, use of engineering controls, administrative changes, training, use of protective equipment and assessment of individuals’ physical capabilities.

The standard also notes that construction workers and supervisors should be trained to recognize risk factors and ways to reduce the risk of MSDs through proper work techniques. Employee participation and an injury management program are also discussed in the standard.

In addition, the standard includes a risk assessment guide, a construction MSD problem reduction checklist, a return-to-work checklist, a list of resources, key terms and definitions and a list of non-occupational risk factors associated with work-related MSDs such as age, strength and gender.

Founded in 1911, the Des Plaines, IL-based ASSE is the largest and oldest professional safety organization and is committed to protecting people, property and the environment. Its more than 30,000 members manage, supervise, research and consult on safety, health, transportation and environmental issues in industry, government, education, labor and insurance. For more information, visit [www.asse.org](http://www.asse.org)

## **Chinese Office Workers Urged to Wear T-Shirts to Save Energy**

Planetsave.com, June 14, 2007

Written by AP

BEIJING (AP) \_ Chinese workplaces are hoping to make every day casual Friday in a push to save energy in the hot summer months.

China's State Council, or Cabinet, recently called for an easing of dress codes to allow more relaxed clothing, including T-shirts, instead of formal suits so that air conditioners need not be cranked up, the China Daily newspaper said Thursday. Current energy-saving rules that say temperatures should go no lower than 26 degrees Celsius (79 degrees Fahrenheit) in summer apply to office buildings, schools, malls, restaurants and supermarkets.

The newspaper quoted Fan Xuecheng, an official in charge of supervising energy conservation within government bureaus, as saying air conditioners account for 30 to 50 percent of the total power consumption in office buildings in summer.

``So there remains the huge task of energy control during summer," Fan said.

China's demand for energy has soared along with its economic development, and the government has repeatedly ordered local administrations to save energy, including closing companies with high energy consumption but low productivity.

Beijing has also mandated that solar, wind, hydroelectric and other forms of renewable energy provide 10 percent of all power by 2010 and has told key industries to reduce energy consumption by 20 percent.

China's heavy reliance on highly polluting coal for electricity generation has made it a major contributor to greenhouse gases, mainly carbon dioxide, which are linked to global warming.

[http://www.planetsave.com/ps\\_mambo/The\\_News/World\\_News/Chinese\\_office\\_workers\\_urged\\_to\\_wear\\_T-shirts\\_to\\_save\\_energy\\_200706148939/](http://www.planetsave.com/ps_mambo/The_News/World_News/Chinese_office_workers_urged_to_wear_T-shirts_to_save_energy_200706148939/)

## And They're Off: China overtakes United States as World's biggest polluter, agency says

Wednesday, 20 Jun 2007 Daily Grist

The United States is no longer the world's biggest polluter. That honor goes to China, which emitted some 8 percent more carbon dioxide in 2006 than Bushland, according to the Netherlands Environmental Assessment Agency. But on a per-person basis, Americans pollute roughly four to five times more than folks in China. And while the emissions surge is tied to a booming industrial landscape -- China opens the equivalent of two coal-fired power plants each week -- that growth is spurred in part by Western consumers buying goods made in China, and by outsourced manufacturing. So: still your fault. While China's leaders work on a climate plan, observers say residents are more worried about their immediate environs: "Most people in China are either unaware of or uninterested in climate change," says Zou Ji of Renmin University. "When we become richer and richer, and feel safer and safer, then people will have more time and more resources to pay attention to something not directly linked to themselves."

[ [email](#) | [discuss](#) | [+ digg](#) | [+ del.icio.us](#) ]

straight to the source: [The Globe and Mail](#), Reuters, 20 Jun 2007

straight to the source: [The Guardian](#), Jonathan Watts and John Vidal, 20 Jun 2007

straight to the source: [BBC News](#), Roger Harrabin, 19 Jun 2007

straight to the source: [The Guardian](#), John Vidal and David Adam, 19 Jun 2007

## Water Conservation Tips, from the Santa Clara Valley Water District

Kurt Elvert, Water Use Efficiency Unit, Santa Clara Valley Water District

### General Tips

- Fix those leaks! Leaks allow water and your money to go down the drain. To help detect hidden leaks, turn off anything that uses water and see if your water meter is still moving. If it is, there could be a leak somewhere.
- For assistance on becoming more water efficient, sign up for a [Free Water-Wise House Call](#) by calling 1-800-548-1882.

### Indoor Tips

- Install water-efficient devices such as high-efficiency toilets, high-efficiency clothes washing machines, low-flow showerheads and faucet aerators.
- The Santa Water Valley District currently has [rebates for many of these devices](#); call (408) 265-2607, ext. 2554 for more information.
- Only run your washing machine or dishwasher with full loads.
- Turn off the faucet while brushing your teeth and shaving.

### Outdoor Tips

- Water your lawn only when needed, generally once every three days during the summer. Check sprinkler timers and reduce watering times if necessary.
- Adjust watering schedule for each season. In fall, unless it's very hot outside, you can reduce your watering time by half. By December, you can turn off your irrigation system completely.

- Check sprinkler heads, valves and drip emitters once a month. Make sure heads are aimed correctly (no matter how much you water it, concrete will not grow).
- Water in the early morning. Many irrigation experts feel the best time to water is between midnight and 6 a.m. because evaporation is kept to a minimum.
- Apply a layer of organic mulch around plants to reduce moisture loss and keep weeds down.
- [Ask your local nursery](#) for the types of plants that will save you water. Water wise plants can be beautiful as well as practical.
- Use a broom to sweep off pavement. Using the hose to wash down sidewalks, driveways, and patios, wastes a lot of water and money.
- Use a spray nozzle with a shutoff handle on your hose so water doesn't flow continuously.

You can also check out our web page for programs designed to help customers reduce their consumption. Go to: [http://www.valleywater.org/Water/Water\\_conservation/index.shtm](http://www.valleywater.org/Water/Water_conservation/index.shtm). You will have to navigate multiple pages to find the different programs.

### **Wilderness almost non-existent on planet Earth: Study**

<http://uk.news.yahoo.com/afp/20070628/tsc-us-conservation-society-e123fef.html>

SAN FRANCISCO (AFP) (This article has been condensed; to see the full version visit the link above)

Humans have domesticated the planet to such a degree that few untouched spots remain, researchers report in a review article published in the journal Science.

Earth is so tamed that conservationism should shift focus from protecting nature from humans to better understanding and managing a domesticated world, the authors said.

"There is no such thing as nature untainted by people," writes Peter Kareiva, chief scientist at the Nature Conservancy, a US-based non-profit group. "Facing this reality should change the scientific focus of environmental science."

As of 1995, only 17 percent of the world's land area remained truly wild -- with no human populations, crops, road access or night-time light detectable by satellite, the authors reported.

Half of the world's surface area is used for crops or grazing; more than half of all forests have been lost to land conversion; the largest land mammals on several continents have been eliminated; shipping lanes crisscross the oceans, according to the paper. In Europe, 22,000 kilometers of coastline are paved.

Due to extensive damming, nearly six times as much water is held in artificial storage worldwide as is free-flowing, according to the article.

"In the modern world, wilderness is more commonly a management and regulatory designation than truly a system without a human imprint," Kareiva wrote. This trend will only accelerate with human population growth, he said.

In light of this, conservationists need to look more closely at trade-offs among ecosystem services, such as increased food production leading to overuse of antibiotics in animals, "so that nature and people simultaneously thrive," the authors concluded.

### **Raging Tahoe Fire's Roots: 150 Years of Forest Abuse, History of Mismanagement: From Gold Rush logging to modern development**

June 26, 2007

Carl T. Hall, San Francisco Chronicle Science Writer

The raging fire that is denuding hillsides and darkening the clear blue waters of Lake Tahoe is the final product of 150 years of mismanagement of the Sierra Nevada ecosystem, fire management experts said Monday.

From Gold Rush clear-cutters to modern home-builders, people have brought changes to the Tahoe basin that have fueled the intensity of the 2,500-acre Angora fire near the town of South Lake Tahoe. By Monday night, 178 homes had fallen casualty to the 2-day-old blaze, which was only 40 percent contained.

Ecologists and local residents said they saw such a disaster coming.

"It's the fire we've been anticipating for 20 years," said Patsy Miller, who owns a residence at Fallen Leaf Lake, about a mile from where the flames had spread by late Monday.

"People have interjected their homes into a system that has a natural tendency to burn very frequently, and where we have suppressed the frequency of those fires for so long, there's an ungodly amount of fuel there," Forest Service regional ecologist Hugh Safford said.

The immediate cause of the Angora fire was under investigation Monday. But the fire's beginnings can be traced all the way back to the Gold Rush and the Comstock-era mining boom.

"They clear-cut about two-thirds of the basin," said Shane Romsos, science and evaluation program manager for the Tahoe Regional Planning Agency.

Mixed-growth forests of fire-tolerant species like the self-pruning Jeffrey pine were replaced by uniform stands of dense white fir and undergrowth, which grew rapidly in the unusually wet years of the early 20th century.

Then came the vacation homes and ski areas. As development spread, land managers focused on fire suppression, allowing the fuel load to build every year.

Federal officials began to shift fire-management policies in the mid-1990s and in recent years have sought to clear away dense underbrush and thin trees in the forests around Tahoe and in the rest of the Sierra. U.S. Forest Service officials said those efforts probably saved at least 500 homes that otherwise could have been engulfed by the Angora fire.

But many forests are still vulnerable to catastrophic burns. This past winter had a notable shortage of snowfall, and Sunday brought ferocious winds that whipped the flames from treetop to treetop even in woodlands where some thinning had been done. Winds that died down Monday were expected to pick up tonight and Wednesday.

"Conditions were ripe for a fire like this," Romsos said.

Now, fire-stripped hillsides could lead to a surge of runoff, clouding Lake Tahoe.

"When the rains start, there should be basically a pulse of ash and carbon-black moving out into the lake," said Martha Conklin, a water chemist at UC Merced who is studying Sierra watersheds.

It might look worse than it is.

Black fallout from the fire could stay on the lake surface long enough to spoil views next year but settle to the bottom without causing much lasting damage. The runoff into the lake is likely to be mostly ash and burned material that wouldn't fuel algae growth.

The real question, Conklin said, is how quickly vegetation will return to hold hillsides together in the fire-stricken areas. Land managers are expected to help by putting out ground cover, installing drainage systems and taking other erosion-control measures.

Just letting nature handle the recovery isn't an option after 150 years of human activity and mismanagement.

"We need to more aggressively manage our forests," Miller said. "In the days of the Indians you had a lot of periodic small fires that kept the forests clean, so fires wouldn't get huge and out of control. We can't rely on that anymore."

The Forest Service's Safford noted that even the climate has come under human influence, as evidenced by global warming and increased forest fires in a dryer, warmer West.

A study being prepared documents what Safford described as a significant increase in Sierra fires during the past 21 years, which clearly goes beyond any naturally occurring cycle.

## Upcoming Events

If you'd like to see your events advertised in this space, and on our website, email your announcement to: Rebecca Anderson, [baesgnews@gmail.com](mailto:baesgnews@gmail.com)

### American Industrial Hygiene Association

Local Chapter Dinner Meeting, July 10. Speaker Chris Laszcz-Davis, MS, CIH, REA "With Merging of EH&S, Where is Technical Mastery Headed?" Micahels at Shoreline; visit <http://www.aiha-ncs.org/> for more details

Save the Date: CIHC Conference in San Francisco December 3-5. <http://www.aiha-ncs.org/cde.cfm?event=174791>

### American Society of Safety Engineers

San Jose Chapter Meeting, Tuesday July 10<sup>th</sup> (tentative date); visit [www.assesj.org](http://www.assesj.org) for details

### Bay Area Rebrac

All courses at Mission College in Santa Clara; for more information visit: <http://www.bayrebrac.org>

### UC Santa Cruz Extension

All courses will be held in Cupertino, California; for more detailed information visit: <http://www.ucsc-extension.edu>

### ACHMM National Conference

August 12-15, Washington, D.C.; for more detailed information visit: <http://www.achmm.org>

### American Training Resources

August 13 & 14, "Safety its No Accident" Conference at Caesars Palace, Las Vegas, Nevada; for more detailed information visit [www.atr-inc.com](http://www.atr-inc.com)

# Job and Career 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. \*

Want to receive Job updates in your inbox? Email the BAESG [Jobs Coordinator](#) and join the distribution list!

Want to see your job posting here and sent to the Jobs distribution list? Email the BAESG [Jobs Coordinator](#)

---

---

## EP Container Has A Job Position Available

EP Container, a full-service container distributor, is seeking a full-time inside sales/customer service person. Looking for a bright, enthusiastic self-starter with 1-2 years customer service experience. Individual must be computer literate, detail-oriented with good phone and follow up skills. Bi-lingual a plus.

We are located in Cerritos, California and offer a competitive salary and benefits package.

Looking for someone who can start immediately.

**Please fax resume and salary history to 562-282-1888**

---

---

## Industrial Hygiene Project Manager

**IHI Environmental** in Emeryville, California, has an immediate opening for an experienced Industrial Hygiene Project Manager.

**Job Description:** This position requires a full range of project management experience that includes industrial hygiene sampling, indoor air quality investigations, safety and health program development, environmental training, asbestos and lead paint surveys, and abatement monitoring.

**Qualifications:** Candidates will have a Bachelors degree and a minimum of five years environmental or engineering experience, or a Masters degree and three years experience. Certification as a DOSH Asbestos Consultant (CAC) is required. Cal-DHS certification in Lead-Related Construction (Inspector/Assessor) is also highly desirable. The required skills for this position include the ability to conduct full-scope project management, prepare technical and cost proposals, supervise field staff, maintain and develop client relations, and communicate effectively.

**Background:** IHI Environmental is an employee-owned industrial hygiene, occupational safety, and environmental consulting firm with over 27 years of experience. IHI Environmental is an equal opportunity employer that offers a flexible small business setting with a large company reputation and benefits package that includes:

Three weeks paid vacation 10 paid holidays  
Medical insurance with low cost-share Employee & family EAP program  
Life & disability insurance fully paid Paid sick leave  
Maternity/paternity leave. 401(K) plan  
Pension and ESOP plans Bonuses as profitability allows

Please forward a cover letter, resume, and salary history to:

Paul Robbins; [robbins@ihi-env.com](mailto:robbins@ihi-env.com)  
IHI Environmental  
1260 45th Street  
Emeryville, CA 94608-2907

For more information, please visit: [www.ihi-env.com](http://www.ihi-env.com)

---

---

## Title: Training Group Lead, req. #30556

### ABOUT US:

Join one of the most challenging and exciting work environments in the Bay Area. The Stanford Linear Accelerator Center is one of the world's leading research laboratories. SLAC is run by Stanford University for the Department of Energy and is one of ten national DOE Office of Science Laboratories. Our 1,300 employees work in the foothills overlooking Stanford University and the communities of Palo Alto and Menlo Park. Here, scientists, engineers, technicians and support professionals work together to conduct world class research in high energy physics, particle astrophysics / cosmology, and the use of synchrotron radiation for advanced physics, chemistry, biological, and material sciences. We balance the excitement of leading-edge science with a family-friendly atmosphere supported by leave policies and flexible work schedules and a commitment to a balance of work and personal interests.

### JOB DESCRIPTION:

The ES&H Training Group Leader is responsible for coordinating the environmental, safety & health training program at SLAC. The Group Leader will manage a program to meet SLAC and DOE requirements, and coordinate the activities of dozens of subject matter experts. In support of approximately 3,000 staff, users, and visiting scientists, the training program encompasses 70+ courses, delivered on-line and in person by both SLAC and external instructors. This lead position supervises 3 other ES&H training professionals and has a key role in representing the ES&H Division.

### Duties

- \* Evaluate customer (line management and employee) training needs, and ensure customer satisfaction with the ES&H Training program.
- \* Develop and implement improvements to the existing training program, focusing on efficient, timely, and accurately documented delivery of training.
- \* As the Program Manager for this activity, will be responsible for assessment of the ES&H training program, identification and implementation of improvements.
- \* Team with program managers/subject matter experts, ES&H leadership, and key customers.
- \* Identify and implement best practices, capture requirements, and participate in reviews to ensure that the training program evolves to meet changing regulatory drivers and customer needs.
- \* Lead the ES&H Training Subcommittee, which advises on setting training requirements for the site and on the Training program as a whole.
- \* Manage staff that capture training requirements, design courses, facilitate delivery, and track results.
- \* Evaluate content and delivery systems and oversee course delivery and coordination with Subject Matter Experts in several departments.
- \* Managing external training contracts as needed.

### JOB QUALIFICATIONS:

#### Required:

- \* Bachelor's degree in business and/or sciences
- \* Extensive experience in an industrial or scientific environment with experience in industrial and/or ES&H training
- \* Working knowledge of related federal, state, and local laws
- \* Management/supervisory experience
- \* Demonstrated leadership
- \* Excellent project management and organizational skills
- \* Excellent interpersonal skills
- \* The ability to work effectively with program managers/subject matter experts, ES&H leadership, and key customers
- \* Excellent written and oral communication skills in English
- \* Excellent presentation skills
- \* Experience working with web- and computer-based training systems and learning management systems
- \* Experience using standard business applications such as MS Word, Excel, PowerPoint, Outlook
- \* Demonstrated success leading a similar Training program.

#### Desired:

- \* Experience in Instructional Design
- \* BS in Industrial Safety, Environmental Science, Environmental Policy or Industrial Hygiene
- \* MS in Education or related field
- \* Experience as a ES&H professional in industry or government

To apply please visit our website located at <http://www-public.slac.stanford.edu/hr/jobs/jobdetail.asp?REQID=030556>

---

---

## Corporate Process Safety Engineer, Genentech

**Location:** South San Francisco, CA

### **Description:**

The engineer selected for this position will be an internal Engineering Consultant on the Process Safety and Property Protection team within the Corporate EHS group. This engineer will support Genentech's research and development, and manufacturing process scale-up activities in process safety and other EHS areas.

This individual will be required to use standardized methods and procedures (internally or with outside testing laboratories) for supervising the determination of process safety aspects or collecting process safety data for new chemical compounds, for conducting Process Safety Hazards Analysis for R&D work as well as scale-up and manufacturing tasks, quantitatively assessing the magnitude of risks, and helping develop actions as deemed appropriate using a risk based decision-making process.

### **Job Qualifications:**

Graduation from an accredited 4-year engineering college or university curriculum with a major in chemical engineering and a strong background in process engineering as applied to organic synthesis and product recovery and purification.

Ten years of engineering experience is desired with a minimum of 5 years of in-depth engineering experience required in process safety (primary job responsibility for that time period) directly related to evaluating the safety of batch organic synthesis techniques and product recovery and purification unit operations applied to multi-step synthesis of organic compounds. Prior experience must include the evaluation of hazards associated with chemical synthesis processes being scaled up from the lab bench scale (grams to 10s of grams) to kilo-prep lab scale, and then to pilot scale or commercial scale. He/she must have detailed knowledge of equipment and methods for the collection of basic chemical process safety data and relevant engineering calculation methods such as chemical reactor/pressure vessel vent sizing techniques to handle routine and emergency venting and gas scrubbing or absorption requirements. Work experience in an FDA-regulated pharmaceuticals company and involvement in the production of new chemical entities for pre-clinical and clinical testing is highly desirable.

Registration as a Professional Engineer in the State of California or the ability to become registered within a 24 month period and a working knowledge of general environmental and safety regulations such as Cal/OSHA are also highly desirable. Other EHS professional certifications are desirable.

Strengths must include effective project management and inter-personal skills to facilitate the work of cross functional and interdepartmental teams, effective writing and oral presentation skills. Should be a self-starter with strong analytical and problem-solving skills, be able to multi-task and develop solutions to complex problems. Works under the direction of the principal engineer for Chemical Process Safety toward predetermined goals and objectives. Strong computer skills required (Microsoft Office software and relevant standard engineering software for process safety evaluations)

<http://jobpostings.gene.com/pljb/Genentech/external/applicant/index.jsp>

---

---

## Senior BIO SAFETY PROFESSIONAL (Biosafety Officer-BSO), Genentech

**Location:** South San Francisco, CA

### **Responsibilities:**

The senior technical professional selected for this position will:

- report to the leader of the corporate safety and industrial hygiene programs.
- serve as a Biological Safety Officer (BSO)
- oversee the implementation of standard procedures within a Corp EHS Mgmt System
- ensure compliance with applicable regulations, guidelines and biosafety best practices.
- provide ongoing technical guidance and support to the Institutional Biosafety Comm (IBC)
- be expected to serve as a mentor to internal staff to assist them in achieving certification as a biosafety professional
- develop and conduct training in the various biosafety-related areas (e.g. as safe usage of human source materials and cell lines, bloodborne pathogens, viral vector safety, decontamination strategies)
- consult on projects which have biosafety considerations related to large scale mfg.
- help review engineering plans that have biosafety aspects,
- serve as an advisor on biosafety matters to the campus emergency response team,
- serve as an EHS client relations manager to R&D operations
- help support general EHS services needed by labs, such as chemical hygiene, waste management and lab inspections.
- collaborate with IBC where appropriate to:

- o review the use of cell lines in both research & mfg,
- o perform risk assessments of proposed research projects and mfg approaches,
- o develop an audit/inspection program for work performed under IBC authorization;
- o develop decontamination plans for work with infectious agents;
- o provide technical safety guidance for PIs and mfg mgrs;
- o develop a biosecurity plan for the use of pathogens and toxins and an inventory system for their tracking.

Requirements:

- o At least one advanced degree in the life sciences, biotechnology or bioengineering field is required, (a PhD would be advantageous)
- o A strong background in applied microbiology and/or molecular biology is highly desirable.
- o 10 or more years of professional experience with 5 or more years working as a biosafety professional is required
- o Previous experience as a R&D professional in biopharmaceuticals research or product development would be advantageous.
- o Should have previous experience in supporting the biosafety needs of a large (>2000 employees in R&D) organization with activities comparable to Genentech
- o Previous experience with duties and responsibilities similar to those specified in this job description.
- o Work experience in an FDA regulated work environment (pharmaceuticals, medical devices, or food processing) is desirable but candidates with experience in other research intensive organizations will be considered.
- o Must possess, or be able and willing to earn, within the first year of employment, the Certified Biological Safety Professional (CBSP) or Registered Biosafety Professional (RBP) credential.
- o Additional professional credentials are highly desirable such as that of a certified industrial hygienist (CIH) or safety professional (CSP).
- o Strengths must include effective project management and inter-personal skills to facilitate the work of cross functional and interdepartmental teams, and effective writing and oral presentation skills.
- o Should be a self-starter with strong analytical and problem-solving skills, able to multi-task and develop solutions to complex problems.
- o Strong computer skills required (Microsoft Office software and relevant standard engineering software for process safety evaluations).

<http://jobpostings.gene.com/pljb/Genentech/external/applicant/index.jsp>

## **Principal Program Manager, EHS Compliance & Sustainability, Genentech**

**Location:** South San Francisco, CA

### **Description:**

This position reports to the Director of the Corporate EHS Group and will be a member of the Corporate EHS leadership team.

The Principal Program Manager will: work with the Corporate EHS leadership team, EHS staff, EHS technical teams and committees with multi-functional membership from across Genentech, and senior Genentech leaders to help set priorities for EHS Compliance & Sustainability Program activities; help ensure that Program activities are integrated into the business processes of client organizations where feasible and cost-effective, and leverage off other EHS initiatives already in progress such as the World-Class Safety.

### **The Principal Program Manager's specific responsibilities include the following:**

- Managing and tracking progress to annual work plans of the EHS Compliance & Sustainability Program through daily coordination with Corporate EHS, cross-functional groups and functional areas within Genentech responsible for implementing EHS compliance and sustainability activities.
- Ensuring the EHS Compliance and Sustainability Program Plans are coordinated with and supportive of other EHS work plans related to World-Class Safety.
- Project-Managing program activities for which Corporate EHS group is responsible.
- Providing frequent reports to the Director of Corporate EHS and the EHS Committee.
- Facilitating meetings with the various Program-related groups including the development of effective agendas, presentation materials and tracking of deliverables and action items.
- Helping draft periodic reports to the Executive Committee and Board of Directors.
- Helping EHS program managers with the implementation of selected EHS Program Specifications that delineate corporate, site, functional group, etc. EHS responsibilities .
- Maintaining and updating as needed Program communications mechanisms and tools (e.g., Program-related intranet site, email box).

The successful candidate will possess the necessary communication and technical skills to track progress on EHS

objectives using relevant and effective program management and monitoring processes (e.g. key performance metrics or indicators and scorecards).

**Experience & Education Requirements:**

- Bachelors of Science degree (in science or engineering discipline) required.
- Masters degree in Business Administration or other systems management technical discipline desirable.
- Project Management certifications and/or Six Sigma experience highly desired.
- Ten years of senior level project management and senior leadership experience required in an integrated R&D and manufacturing company in the process industries (pharmaceuticals, chemicals, etc). Five years or more of previous experience in directing or working with an EHS organization.
- Strengths must include superior project management and inter-personal skills to facilitate the work of cross functional and interdepartmental teams, strong leadership abilities, effective writing and oral presentation skills, and effective conflict management abilities.
- Should be a self-starter with strong analytical and problem-solving skills, be able to multi-task and develop solutions to complex problems.
- Strong computer skills required (Microsoft Office software and relevant project management software)

<http://jobpostings.gene.com/pljb/Genentech/external/applicant/index.jsp>

---

---

**Senior EH&S Program Manager – Corporate Ergonomics, Genentech**

**Location:** South San Francisco, CA

**Description:**

This position reports to the Sr. Manager, Corporate Occupational Health & Ergonomics. The senior professional selected for this position will lead the corporate ergonomics program aimed at effectively reducing cumulative trauma / musculoskeletal disorders risk factors for all Genentech work environments, including, but not limited to office, laboratory, manufacturing, warehousing, distribution, and business travel while effectively meeting business objectives. This program manager will also lead the South San Francisco site ergonomics programs that serve an employee population of in excess of 7,000 individuals.

**Job Qualifications:**

- Bachelor's degree in ergonomics, engineering, human factors or related field required. Masters degree strongly preferred.
- A minimum of 10 years of experience effectively designing, implementing and managing ergonomics solutions required. Experience in manufacturing, laboratory and clean room environments preferred. Biotech or pharmaceutical manufacturing experience desirable.
- Certification in ergonomics required. Certified Professional Ergonomist (CPE), Certified Human Factors Professional (CHFP) preferred.
- Excellent written and oral communication and interpersonal skills required.
- Demonstrated analytical and problem-solving skills required.
- Strong computer skills required. Experience with Microsoft, especially Word, Excel, Project, Visio and Powerpoint required. Experience working with ergonomics CAD software desirable.
- Strong team orientation with demonstrated ability to effectively collaborate with others in order to meet business objectives required.
- Ability to maintain and handle sensitive / confidential information required.
- Strategic planning, organization and time management skills preferred.
- Demonstrated ability to lead change preferred.
- Management systems experience preferred.
- Strong project management skills preferred.
- Experience working in cGMP and / or cGLP environments desirable
- Some travel (< 20% of time on average) will be required from time to time to visit other Genentech sites that are currently located primarily in the Western US.

<http://jobpostings.gene.com/pljb/Genentech/external/applicant/index.jsp>

# BAESG MEMBERSHIP APPLICATION/ RENEWAL

Your membership is important because it helps keep this organization viable. Membership in BAESG offers a particularly good value. The cost is reasonable, and benefits include: the best rates for our monthly meetings that feature excellent speakers on the topics you are interested in as an EHS professional; access to a membership directory of an exceptional group of fellow EHS professionals; the opportunity to network with fellow EHS professionals, and regular updates to the EHS jobs listing.

Print out this page and fill in the relevant information, or staple a copy of your business card to this form (for inclusion in the membership directory) and attach a check for membership dues. Annual membership dues are \$25.00. (\$12.50 for full-time students and retired EH&S professionals). Make your check payable to **BAESG**.

Mail your completed application form and payment to:

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

**Please complete all the following Personal Information and Company Address for correct listing 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): \_\_\_\_\_

Street 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 Topic Interest for meeting presentations:**

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.

TOPICS: \_\_\_\_\_

ARE YOU INTERESTED IN PRESENTING ON THIS TOPIC? Yes \_\_\_ No \_\_\_