EH&S is now offering training classes on-line through the Blackboard e-Education platform. Taking the classes on-line provides the same "credit" that you get when you attend the "live" classroom version. The on-line version can also be used to review the course material after you have taken the live class, or to take the annual refresher class, when required.

**Available now!**
- Lab Safety - Chemical Hazards (ELS 002)
- Laboratory Supervisor Safety (ELS 017)
- Hazardous Waste (ENV 001)
- Regulated Medical Waste (ENV 005)
- Annual Radiation Refresher (ERS 002)
- X-ray Diffraction Safety (ERS 006)
- Lab Safety - Biological Hazards Refresher (ELS 020)

**Coming soon!**
- Universal Waste Management (ENV 006)
- Bloodborne Pathogens (EOS 04)
- Hazard Communication/RTK (EOS 018)

To access the courses:
1. Go to https://blackboard.stonybrook.edu/
2. Click <User Login> and enter your NetID username and password (for more information about NetID go to http://it.cc.stonybrook.edu/accounts/netid).
3. Click on the top tab <Courses>
4. Click <Environmental Health and Safety> in the Course Catalog
5. Click <Enroll> for the EH&S course you are interested in
6. Click <Submit> and <OK> to complete your self enrollment
7. Follow the directions in "How to complete this course" on the left navigation bar within the course.

Your SOLAR account will be updated following successful completion of the course.

Contact Kim Auletta at kim.auletta@stonybrook.edu or 632-3032 if you have any questions about accessing these on-line courses.

**Chemistry Recycles Solvents**, by Jeff Carter

Professor Dale Drueckhammer from the Chemistry Department is using a solvent recycler to recycle a heptane-acetone mixture with promising results. The solvent recycler was purchased by the Department of Environmental Health & Safety (EH&S) to help departments minimize hazardous waste generation and disposal costs, and to reduce the amount of solvent that is purchased. Finding a suitable ‘customer’ to use the recycler was not that easy of a task because the equipment is designed to process specific formulations and works best when there is a large volume.

After reviewing records for various waste generators, Jeff Carter, EH&S Manager of Hazardous Waste, reached out to Dr. Drueckhammer to find an appropriate waste stream. Although Dr. Drueckhammer realized early on that the unit as it existed could not accommodate the primary solvents that he used, he began working directly with
Chemistry Recycles Solvents, continued from Page 1

the manufacturer of the recycler, CBG Biotech, as well as working up his own variations on solvent usage and processes. Eventually, a likely "match" evolved. Dr. Drueckhammer proposed to replace the standard hexane-ethyl acetate mixture with a heptane-acetone solution, assuming that the chromatography will work with the new formulation.

The preliminary results of the recycling program has created interest and buzz amongst students who have already approached Dr. Drueckhammer about getting involved. In addition, he has also garnered the interest of other colleagues in his Department. "I am grateful for Dr. Drueckhammer's cooperation and commitment to getting this program started", said Jeff Carter.

The use of auxiliary substances and recycling solvents are consistent with EPA’s Green Chemistry initiative.

Dr. Drueckhammer, who received the EPA Green Chemistry Challenge Award in 2000 for his work with enzymes in large-scale organic synthesis stated, "solvent recycling is a win-win-win activity; it saves on solvent purchases, saves on waste disposal, and helps to save the environment."

You can learn more about the EPA’s Green Chemistry program at http://www.epa.gov/greenchemistry/

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"Solvent recycling is a win-win-win activity; it saves on solvent purchases, saves on waste disposal, and helps to save the environment."

- Dr. Druekhammer

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**Solvent Recycling FAQ's**

Q: How do I participate?
A: If you work in the Chemistry building and generate solvent waste as described, contact Prof. Dale Drueckhammer @ 2-7923.

Q: Are there any special regulatory requirements?
A: Yes, there are training and recordkeeping requirements associated with recycling solvents. Please contact Jeff Carter of EH&S @ 2-3739 for more information.

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**Easy Recycling Tips for Your Home**

1. Find a convenient place to collect recyclable items. Most things come from the kitchen, making it a good spot to set up a recycling center.
2. Take leftover plastic bags back to grocery stores where they are collected and reused to make plastic lumber or other products.
3. Check the bottom of plastic items to identify what type of plastic they are. If the type is not recycled at your local center, consider ways to reuse the container.
4. Recycle junk mail or reuse it as scratch paper. To opt-out of certain junk-mailing lists, go to opt-out.cdt.org.
5. Newspapers, magazines, and white paper can all be recycled as long as the paper is clean and dry. Plastic wrap, stickers, or rubber bands should be removed, but staples and plastic window envelopes are OK.
6. Divvy up recycling duties and sort items on a daily basis.
EH&S Employee Spotlight - Jeff Carter

Jeffrey Carter was appointed to the Hazardous Waste Manager position in EH&S on May 1, 2008. In the short time that Jeff has been at Stony Brook, he has made a difference in the management of the hazardous waste program and has improved efficiencies resulting in waste reduction and cost, implemented an on-line training program, and has improved communications and customer service with labs.

Jeff is a Certified Hazardous Materials Manager (CHMM) and Certified Environmental Auditor (CEA). He has a BA Degree in Coastal and Marine Policy Studies from the University of Rhode Island (URI), with an emphasis in environmental auditing, regulatory compliance and environmental protection.

After graduating from URI, he traveled to Queensland, Australia, where he learned more about the impacts of interactions between humans and the environment.

Soon after returning home, Jeff accepted a position with an environmental services firm and gained experience as an Environmental Chemist and Technical Account Manager, managing hazardous waste facilities. He also worked for an environmental consulting engineering firm as an Environmental Scientist, performing multimedia inspections, preparing environmental and hazardous waste plans, training and overseeing environmental projects.

Jeff sought a career in environmental protection after the oil tanker Exxon Valdez ran aground on Bligh Reef in Prince William Sound, Alaska, on March 24, 1989. “After seeing the devastating aftermath of the Exxon Valdez oil tanker incident”, Jeff stated, “I knew that I needed to pursue a career that would allow me to protect the environment.”

Since joining our team, Jeff has tried to focus on two main concepts – compliance and efficiency. Following this strategy, Jeff has made significant improvements to the Hazardous Waste Program that, in his own words, “are the result of being part of a tremendous team and having people working with me that understand and appreciate my vision for a safer and more environmentally friendly campus.”

Jeff is married to his wife, Anne, and has a beautiful little daughter named Shannon Lee. Jeff is pursuing a Master’s degree and is enrolled in SBU’s Master of Professional Studies program with a concentration in Environmental Management.

“After seeing the devastating aftermath of the Exxon Valdez oil tanker incident, I knew that I needed to pursue a career that would allow me to protect the environment.”

- Jeff Carter

Power Outage: What to do if the lights go out.

by Sean Hannifin with contributions from Larry Zacarese and Leo DeBobes

If the lights suddenly go out unexpectedly, do you know what to do? While the answer to that question may be dependent on the building that you are in, the work that you are involved in, and whether or not the building is equipped with an emergency generator, your safety and the safety of others around you should be a top consideration when deciding on a course of action.

It is important during a power outage, as in any emergency situation, to remain calm. If you are in an area where there is no emergency lighting, and you cannot safely navigate to an area where lighting is present, call University Police at (631) 632-3333 or 911 from any campus phone.

University Police will dispatch a Police Officer or Fire Marshal to your area. In addition, building Safety
Environmental Health and Safety is dedicated to ensuring the safety and well-being of the University community and the environment by providing and promoting Management Commitment, Employee Participation, Hazard Prevention and Control, Worksite Analysis, Emergency Response, Health & Safety Education and Training.

Our mission is achieved through the development and implementation of Environmental Health and Safety policies and programs throughout the University, including the Health Sciences Center, University Hospital, Long Island State Veterans Home and the University's satellite facilities.

The success of these programs is dependent on successful integration of our programs in all academic and healthcare departments and programs, as well as on the active participation of the entire campus community.

Power Outage, continued from page 3.

Wardens are equipped with flashlights and have been trained to assist in these kinds of emergencies. The Safety Warden program was developed by the Office of Emergency Management. Safety Wardens are volunteers who are trained to assist with communications, evacuation and coordination of building occupants when an emergency occurs. These Safety Wardens are provided with a reflective vest that identifies other building occupants of their role. They are given a portable radio to communicate with the Building Manager and the Emergency Management Team. You should get to know who your Safety Warden is for your building as well as your Building Manager. They can be an excellent resource in time of an emergency such as a power outage.

Departments are encouraged to keep a “power outage” emergency kit or supplies in a handy location. The following items are recommended: flashlights, batteries, glow sticks, extension cords, and duct tape to safely secure the extension cords. A battery operated head lamp could be useful for hands free use.

Some buildings are equipped with an emergency generator that will activate within seconds of a power failure. Any critical, life sustaining equipment should immediately be plugged into a designated red colored outlet. These outlets will be powered by the emergency generator in the event of a power outage.

Other items to address during a power outage, if it is safe to do so, include:

- Turn off sensitive equipment, such as computers, to avoid potential damage when power is restored.
- If working in a lab and using a fume hood for hazardous chemicals, make sure you close the sash of the hood, as the ventilation system for the fume hood may not be operational. Sashes left open may allow hazardous fumes to accumulate in that room, and can create a very dangerous situation depending on the chemical(s) you are working with.
- If evacuation is necessary, have a headcount of who is in your department and account for them after evacuation has occurred. Create a designated meeting point outside to further ensure everyone has gotten out of the building safely.
- Provide help to anyone with a disability that may have trouble evacuating the building. Establish a “buddy system” with individuals who are familiar with that person’s disability and can assist during an emergency.

For more information about emergency and evacuation plans, go to the EH&S Fire Safety website at:

http://www.stonybrook.edu/ehs/fire/evac-plans.shtml

or the Emergency Management website at:

http://www.stonybrook.edu/commcms/emergency/