

The Waste-Paper

“Waste is a terrible thing to mind”

Volume 12 Issue 1

January 2009

Just Arriving?

Welcome to Princeton! If you are new to the University or are just staying for the spring, here are a few items we hope will be helpful to you. Environmental Health & Safety manages the hazardous waste program on campus. Chemical wastes are collected from Frick, E-Quad and Lewis Thomas Labs on the last Thursday of each month. However, waste should be brought down to the designated collection point the day before according to your [department schedule](#).

Until that time, waste is managed in the lab or work area. Here's a summary of the requirements:

- Waste containers must be labeled as soon as waste collection begins. EHS provides labels, which you should complete and affix to the container right away, or else you must write the words *Hazardous Waste* and the waste contents on the container.



REMEMBER: White carboys are for **SOLVENTS ONLY**. Use blue carboys for all other compatible liquid hazardous wastes (corrosive, toxic, etc.)

- Waste containers must always be kept closed except during filling. Funnels must not be left in waste containers in anticipation of future fillings.
- Store away from floor drains or sinks or else use secondary containment to contain any spillage.
- Disposal of most chemical waste down the sink is prohibited. Evaporation of solvents is also a prohibited means of disposal.

If you would like more information about waste disposal, please visit the [Waste section](#) of the [EHS web site](#). Don't forget – everyone working in a lab **MUST** attend Laboratory Safety Training provided by EHS. See the [Lab Safety](#) section of the EHS web site for more information.



2009 Waste Pickup Schedule:

January 29, 2009
February 26, 2009
March 26, 2009
April 30, 2009
May 28, 2009
June 25, 2009
July 30, 2009
August 27, 2009
September 24, 2009
October 29, 2009
December 10, 2009

Elemental Mercury Waste Reminder

We will collect elementary mercury waste this month. Princeton University's hazardous waste contractors remove elemental mercury waste three times annually, during the January, May and September routine waste pickups. Please keep your elemental mercury waste in the satellite accumulation area of your lab in between these pickups.



If you currently have mercury thermometers, small light bulbs, elemental mercury debris and unwanted mercury stock to dispose, please bring them to the waste room this January 28th during regular waste room hours. Properly sealed containers and hazardous waste labeling still applies. Inorganic and organic mercury compounds are still removed at every waste pickup. Please contact Jim Boehlert at 8-7882 if you have any questions or if you have a large amount of mercury waste to remove. Remember to check your lab's mercury spill kit for waste!

EHS HAZARDOUS WASTE CONTACTS

Main Office	8-5294
Steve Elwood (Chemical & Radioactive Waste)	8-6271
Tonya Gruchacz (Waste-Paper)	8-6255
Don Robasser (Biohazardous Waste)	8-6256
EHS Web Page http://www.princeton.edu/ehs	

Department of Homeland Security Chemicals of Interest

Last year, the US Department of Homeland Security promulgated a new chemical security regulation that applies to Princeton University. Last spring, EHS conducted a survey of all laboratories and other areas where chemicals are used to determine whether the University stores or uses "Chemicals of Interest" in quantities at or above the threshold amounts. Based on the results of the survey, the University did not need to take any action.

If at any time we exceed the threshold quantities for any of the Chemicals of Interest, we will need to report this to DHS and we may need to take further chemical security actions. While we were well below the threshold for most chemicals, there are a few that have such low thresholds that EHS needs to be made aware of any new use or any increase in quantity of a subset of chemicals.

Please contact EHS to report any new use or increased quantity of the following chemicals:

Arsine gas (>0.67%)
1,4-Bis(2-chloroethylthio)-n-butane
Bis(2-chloroethylthio)methane
Bis(2-chloroethylthiomethyl)ether
1,5-Bis(2-chloroethylthio)-n-pentane
1,3-Bis(2-chloroethylthio)-n-propane
Chlorine pentafluoride gas (>4%)
2-Chloroethylchloro-methylsulfide
Chlorosarin
Chlorosoman
Cyanogen Chloride gas (>2.67%)
Diborane (>2.67%)
Dinitrogen tetroxide (>3.8%)
DF

**Next Waste Pickup:
Thursday,
January 29, 2009**

*Bring wastes to designated
collection point on
Wednesday, January 28*



No More Paper Copies

In an effort to promote both environmental and financial sustainability, EHS will no longer provide paper copies of the *Waste Paper*.

Please feel free to print copies for posting as needed. If you would like to receive the *Waste Paper* and chemical waste-related reminders via e-mail, please contact Tonya Gruchacz at 258-6255.

Ethyl phosphonyl difluoride
Fluorine (>6.17%)
Germanium tetrafluoride (>2.11)
HN1, HN2, HN3 (nitrogen mustard-1, 2 or 3)
Hydrogen cyanide (<4.67%)
Hydrogen selenide (>0.07%)
Isopropylphosphonyl difluoride
O-Mustard (T)
Nitric oxide (>3.83%)
Lewisite 1, 2 or 3
Nitrogen trioxide (>3.83%)
Nitrosyl chloride (>1.17%)
Oxygen difluoride (>0.09%)
Phosgene (>0.17%)
Phosphene (>0.67%)
Propylphosphonyl difluoride
QL
Sarin
Selenium hexafluoride (>1.67%)
Sesquimustard
Soman
Stibine (>0.67%)
Sulfur mustard (Mustard gas (H))
Sulfur tetrafluoride (>1.33%)
Tabun
Tellurium hexafluoride (>0.83%)
VX

For more information, contact Robin Izzo at rmizzo@princeton.edu or 258-6259.