

The UW-Madison Laboratory Safety guide is no longer maintained in this format. The most up to date guidance is available on the EH&S website.

Please contact EH&S with any questions.

Chemical Safety:

chemsafety@fpm.wisc.edu

Biological Safety:

biosafety@fpm.wisc.edu

Radiation Safety:

radiationsafety@wisc.edu

Chapter 7 Chemical Disposal Procedures

chemicals in the lab:

on

use, if not your lab

reclaimable or spent

er 4, waste minimization in Chapter 6. In this chapter regardless of the use, respect all chemicals for the chemical hazards that they possess.

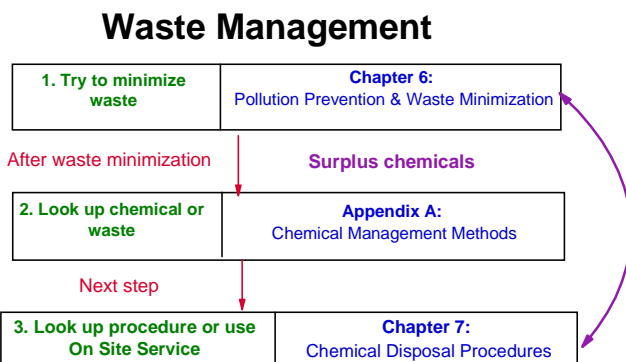
Management of hazardous chemicals has become increasingly complicated. The Environmental Protection Agency (EPA) and the Wisconsin Department of Natural Resources regulate the disposal and treatment of hazardous waste, including chemicals. By following the procedures in this chapter, you will comply with these environmental laws and protect health and the environment. For more information about the details of hazardous waste management, see Appendices B and H.

Choose a method for your chemical waste and when planning waste management, consider prevention and waste minimization methods.

Unwanted chemicals can be used by another lab if they are in good condition.

If you have surplus chemicals, contact the Safety Department for on-site removal. We'll try to find another

There are two methods of dealing with chemical products and waste:



✓ **In-Lab Chemical Management.** In-Lab Management includes simple disposal and treatment methods that can be done in your lab, such as solvent commingling, flushing down the sanitary sewer, and neutralization. These disposal procedures are described in detail on the following pages. Call the Safety Department for advise regarding the disposal of specific chemicals and wastes and, in some cases, demonstrate treatment and neutralization procedures.

✓ **On-Site Hazardous Materials Management.** For On-Site Service the Safety Department staff will come to your laboratory to remove those items that can be recycled, require a more complex disposal procedure, or require disposal at a commercial hazardous waste treatment, storage and disposal facility. Most of the University's hazardous waste is either incinerated in an EPA permitted hazardous waste incinerator or blended with fuel for incineration in a cement kiln to recover its heat energy.

Call the Safety Department at 262-8769 if you have any disposal questions.

The following instructions address a broad scope of chemical disposal situations. For customized treatment methods, individual consultation or further information on our services, please call the Safety Department.