

memo

TO: Lab personnel

FROM: Mary Duda, Chemical Coordinator, Environmental Health and Safety

SUBJECT: Hazardous Waste Costs Covered by Generating Lab DATE: August 1, 2013

The costs for the following types of services are expected to be covered by the lab, not the Environmental Health & Safety Office (EH&S). In the event that a lab is unable to cover the cost, responsibility falls to the department and ultimately the college or school.

While EH&S maintains a budget to cover costs for routine hazardous wastes generated as a result of research, education and facilities activities, the items listed below are not covered by the EH&S Office, rather by the Lab or Project generating the waste or entity requesting the service. EH&S will work with the lab to secure competitive quotes from the contracted environmental service provider and will oversee the operation to ensure full compliance and satisfaction with the work requested.

To avoid these costs, EH&S stresses that it is in the lab's best interest to maintain an active, accurate inventory of their chemicals as required, ordering only what is needed and removing expired or unwanted chemicals before they become more hazardous. Remember, once you've determined that you no longer need a particular chemical or the expiration date has been reached, the chemical becomes a waste.

Type of Service	Lab Cost	Way to Minimize Cost
Cylinder and Lecture	Specific costs will depend on the size and type of	Order reusable lecture bottle gasses when
Bottle Disposal	cylinder for disposal. EH&S will work w/ the lab to	possible; order compressed gasses from
	provide a quote of the costs associated with their	vendors that will take back their cylinders
	specific request prior to removing the cylinders.	and order only what you need.
	Disposal costs can range from \$100-\$3000(+)	
	depending on the contents & volume.	
Unknown Chemical	Each characteristics test will cost the lab roughly	Ensure all chemical and waste collection
WasteTesting	\$50. These tests are conducted in the lab by our	containers are clearly labeled with full
	onsite vendor to determine the basic hazards for	chemical name, date and initials; verify
	safe handling and processing the material.	chemical information with researchers
		leaving the lab or Institute prior to their
		departure.
Highly Hazardous	Explosives, temperature and shock sensitive	Maintain an active inventory; order only
Chemical Disposal	chemicals generally require additional measures	what you need and identify the owner of
	to ensure their safety for transportation and	the material on the container w/ the date
	disposal. These requests may range from \$500-	of expiration. Determine if a less
	\$1500(+) depending on the material & volume.	hazardous chemical can be used for the
		process as an alternative.

Analytical Testing	Testing needed to identify contents of equipment or material slated to leave campus for disposal can range from \$150-\$5000 depending on the required level of analysis. Typically this pertains to items thought to contain PCBs and heavy metals.	Know the contents and age of your equipment prior to requesting disposal.
Lab Cleanouts	A cleanout may be needed due to a lab move, decontamination request, new PI coming to campus or a researcher leaving campus with a lot of legacy chemicals to remove at one time. Due to the high volume of chemicals at this one time, a fee associated with the labor, materials, transportation and disposal is placed on the lab to manage. These requests can range from \$500-\$1,500(+) depending on volume and types of chemicals identified.	Keep an active inventory. Reach out to colleagues in other labs to see if they can use your unwanted chemicals.
Project* Related Items	Analytical testing, decontamination, removal of abandoned wastes and disposal of project related wastes; such as, waste water, contaminated soil and equipment, oil with PCBs, etc. will be billed to the Project.	Ensure the departing PI is held responsible for costs associated with their residual chemical wastes or decontamination.

^{*}The term Project refers to Facilities capital projects and renovations that have Institutional funds allocated to complete a particular scope of work. In the event waste is generated due to a renovation or capital project EH&S is available to facilitate the waste management and compliance needs but funds should be allocated through the project.

Adapted with permission from "Hazardous Waste Costs Covered by DLC – September 2010 (Massachusetts Institute of Technology)"