Laboratory Waste Stream Table

*Underlined text is hyperlinked (Keyword search http://ehs.mit.edu if printed version)

Waste Category	Radioactive Waste *Managed by Radiation Protection Program (RPP) Extension 2-3477*	Hazardous Chemical Waste *Managed by Environmental Management Program (EMP) Extension 2-3477*	Biological Waste *Overseen by Biosafety Program (BSP) Extension 2-3477* This information is for BL1 and BL2 labs only. For BL2+ and BL3 labs contact BSP at x2-3477.	Mixed Waste *These wastes are often a special situation please contact EHS for proper disposal procedures. EHS Office Extension 2-3477*		
				Bio/Chem	**Bio/Rad**	**Chem/Rad**
Liquid	• Collect liquid waste exceeding sanitary sewerage disposal limits in 1-gallon plastic jars • Collect bulk liquid scintillation fluids in 1 or 5-gallon containers • Collect scintillation vials in 30-gallon steel drums • Aqueous, soluble radiological liquid waste within sewerage disposal limits is disposed via lab sinks designated for this purpose by RPP. The lab sink must be labeled ***"This Sink Designated for Disposal of Aqueous Liquid Waste"*** with activity limits and instructions. • RPP provides all containers for waste • WASTE IS COLLECTED BY RPP THROUGH A WEB REQUEST	1. Accumulate in waste containers in designated and labeled Satellite Accumulation Areas (SAA). Attach a red tag to all waste containers 2. When waste container is ready for pickup, date the red tag and "request waste pickup" using online form 3. Waste will be picked up within three business days. Any containers not properly labeled will not be picked up Request red tags and secondary containers from EHS by using the "request waste pickup" on-line form. Contact EHS for large containers designed for large volumes of one waste type. 	For BL1 and BL2 labs only (as noted above): 1. Biologically contaminated liquids with no hazardous chemicals must be treated to kill biological materials. The typical method used is liquid disinfectants (e.g. 20-minute incubation in mercury-free bleach). 2. Disinfected waste can be poured down the drain. If the liquid waste contains hazardous chemicals see the Bio/Chem mixed waste column.	1. Liquid chemical waste can be disinfected using carefully selected chemical treatments ONLY IF COMPATIBLE with the other chemicals in the experiment. Contact EMP for advice to avoid adverse chemical reactions. 2. Handle resulting waste as hazardous chemical liquid waste.	1. Liquid waste is disinfected using chemical treatments (20-minute incubation in mercury-free bleach) to eliminate the biological component. 2. Handle resulting waste as radioactive liquid waste.	1. **Contact RPP for approval prior to waste generation.** 2. Collect waste in a compatible container. 3. Label with radiation tape, name of isotope and chemical, and primary hazard of the chemical 4. WASTE IS COLLECTED BY RPP THROUGH A WEB REQUEST 
Solid	• Accumulate contaminated lab materials (paper, plastic, gloves, etc.) in containers labeled with the half-life of discarded materials • Complete an attached inventory card after each disposal. • Scintillation Vials: see liquid radioactive waste above • RPP provides all containers for waste • WASTE IS COLLECTED BY RPP THROUGH A WEB REQUEST	1. Accumulate in waste containers in designated and labeled Satellite Accumulation Areas (SAA). Attach a red tag to all waste containers 2. When waste container is ready for pickup, date red tag and "request waste pickup" using online form 3. Waste will be picked up within three business days. Any containers not properly labeled will not be picked up To request supplies, see the information provided above.	For BL1 and BL2 labs only (as noted above): • Biologically contaminated solid materials should be disposed into a biowaste box. (this includes serological pipettes) NO needles, syringes w/needles, liquids, animal or human tissue, radiologicals). When boxes are full a request for pickup must be submitted online at https://ehs.mit.edu/site/biowaste Autoclaving remains optional. If you plan to autoclave, please contact bsp@mit.edu for assistance.	THIS IS A LAB SPECIFIC SITUATION. PLEASE CONTACT EMP at x2-3477	THIS IS A LAB SPECIFIC SITUATION. PLEASE CONTACT RPP or BSP at x2-3477	THIS IS A LAB SPECIFIC SITUATION. PLEASE CONTACT EMP at x2-3477
Sharps*	1. Accumulate sharps in a 1-gallon plastic container labeled "*Caution Radioactive Waste Sharps.*" 2. Follow instructions to lab personnel on container label. • RPP provides all containers for waste • WASTE IS COLLECTED BY RPP THROUGH A WEB REQUEST * A regulatory waste classification associated with instruments. Used to puncture, cut or scrape and, as waste, can cause punctures or cuts to solid waste handlers or the public. (syringes, hypodermic needles, lancets, scalpel blades, razor blades, pipette tips, transfer pipettes)	1. Accumulate in puncture-resistant plastic waste containers in designated and labeled Satellite Accumulation Areas (SAA). Attach a red tag to all waste containers. 2. Follow steps 2 and 3 above • To request a 5-gallon pail for collecting chemical sharp waste, go to "request waste pickup" on-line form. • Do not place chemical bottles (empty or full) in a chemical sharps waste container. Empty chemical bottles can be rinsed and placed in a cardboard box labeled "clean intact glass" to be picked up by the custodians. • In biological labs, for sharps with minimal chemical residue see biological sharps waste column. Contact BSP or EMP with questions.	For BL1 and BL2 labs only (as noted above): • All sharps waste that is generated in biological research labs must be disposed in a secondary sharps container (one-gallon mayo jar provided by EHS). Once these containers are full they must be secured by a cover and placed directly into the biowaste box for disposal. Serological pipets and pipet tips are not considered sharps waste and can go directly into the biowaste box.	• Sharps with chemical and biological contamination should be placed in a biosharps mayo jar if residue is minimal. • If there is significant chemical contamination, then contact EMP at x2-3477.	THIS IS A LAB SPECIFIC SITUATION. PLEASE CONTACT BSP or RPP at x2-3477	1. Place in a 1-gallon plastic container provided by RPP. 2. Label with radiation tape, name of isotope, and the words "sharp waste". 3. Identify the hazardous chemical and the primary hazard of the chemical on the label. PICKUP AND CONTAINERS PROVIDED THROUGH RPP WEB REQUEST
Animal & Human Pathological	1. Wrap animal or human pathological waste (including carcass) in bench paper. 2. Place in a plastic bag. 3. Store in designated freezers in the lab or DCM facilities. • Researchers must complete the "*Certification of Radioactivity Content of Animal Carcasses*" and attach it to the package. • RPP COLLECTS ANIMAL CARCASS WASTE THROUGH A WEB REQUEST. Animal carcass waste is collected from DCM facilities on a routine schedule.	All animal pathological waste including carcasses and surgical gauze contaminated with hazardous chemicals must be wrapped in bench paper, put in a plastic bag, and placed in a DCM facilities freezer for disposal. DCM Facilities will: Package the frozen pathological waste in special "red bag" lined cardboard "burn" boxes and move the tagged, sealed, "burn" boxes to a central location for pick up and incineration by an outside vendor.	For BL1 and BL2 labs only (as noted above): All animal pathological waste including animal carcasses and used surgical gauze must be wrapped in bench paper, placed in a plastic bag, and placed in a DCM facilities freezer for disposal DCM Facilities will: Package the frozen pathological waste in special "red bag" lined cardboard "biowaste boxes and place a request to be picked "for incineration only." Human tissue waste should be collected in a mayo jar or other sealable container placed in lab freezer and designated for INCINERATION ONLY. A request for pickup should be submitted online for removal by EHS technicians. For questions please contact bsp@mit.edu.	THIS IS A LAB SPECIFIC SITUATION. PLEASE CONTACT EMP at x2-3477	THIS IS A LAB SPECIFIC SITUATION. PLEASE CONTACT RPP at x2-3477	THIS IS A LAB SPECIFIC SITUATION. PLEASE CONTACT EMP at x2-3477

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