

**University of Kansas**  
**Department of Environment, Health & Safety**

**Laboratory Ramp-Down Checklist**

**Preparing:**

ITEM	Complete	N/A	Notes
Identify all non-critical activities that can be ramped down, curtailed, suspended or delayed.			
Identify personnel able to safely perform essential activities.			

**Communications:**

ITEM	Complete	N/A	Notes
Create contact list including all lab personnel, principal investigator, lab administrative director, research operations manager, and building manager.			
Ensure the contact list is saved where it can be remotely accessed by everyone in the lab. Include home and cell phone numbers.			
Test your phone tree or email group to facilitate emergency communication amongst lab researchers and staff.			
Ensure that emergency contacts listed on lab placards are up to date and posted on outside of lab doors.			

**Shipping/Receiving:**

ITEM	Complete	N/A	Notes
Do not order any new research materials except those items needed to support minimal critical functions.			
Contact loading dock/mail services personnel to notify them of any expected incoming shipments.			
Do not place any packages potentially containing dry ice in a walk in cold room or freezer			

## Research Materials:

ITEM	Complete	N/A	Notes
Freeze down any biological stock material for long term storage.			
Consolidate storage of valuable perishable items within storage units that have backup systems.			
Fill dewars and cryogen containers for sample storage and critical equipment.			
Consult with IACUC/ACU about current animal care recommendations.			
Properly secure all hazardous materials in long-term storage.			
Ensure all flammables are stored in flammable storage cabinets.			
Ensure that all items are labeled appropriately. All working stocks of materials must be labeled with the full name of its contents and include hazards.			
Remove all chemicals and glassware from benchtops and fume hoods and store in cabinets or appropriate shelving.			
Request waste pickups for peroxide forming compounds or other chemicals (i.e. piranha etch) that may become unstable over time.			
Remove infectious materials from biosafety cabinets, and autoclave, disinfect, or safely store them as appropriate.			
Confirm inventory of controlled substances and document in logbook.			
Consider additional measures to restrict access to controlled substances.			
Secure physical hazards such as sharps.			
Ensure all radioactive materials are locked/secured inside a refrigerator, freezer, or lockbox. If you need to transfer RAM to another location, please consult with RSS first.			

### Physical Hazards:

ITEM	Complete	N/A	Notes
Ensure all gas valves are closed. If available, shut off gas to area.			
Turn off appliances, computers, hot plates, ovens, and other equipment. Unplug equipment if possible.			
Check that all gas cylinders are secured and stored in an upright position. Remove regulators and use caps.			
Elevate equipment, materials and supplies, including electrical wires and chemicals, off of the floor to protect against flooding from broken pipes.			
Inspect all equipment requiring uninterrupted power for electricity supplied through an Uninterrupted Power Supply (UPS) and by emergency power (emergency generator).			

### Equipment:

ITEM	Complete	N/A	Notes
Check that refrigerator, freezer, and incubator doors are tightly closed.			
Biosafety cabinets: surface decontaminate the inside work area, close the sash and power down. Do NOT leave the UV light on.			
Fume hoods: Clear the hood of all hazards and shut the sash			
Review proper shut down procedures and measures to prevent surging.			
Shut down and unplug sensitive electric equipment.			
Cover and secure or seal vulnerable equipment with plastic.			

## Decontamination

ITEM	Complete	N/A	Notes
Decontaminate areas of the lab as you would do routinely at the end of the day.			
Decontaminate and clean any reusable materials that may be contaminated with biological material.			

## Waste Management:

ITEM	Complete	N/A	Notes
Collect and properly label all hazardous chemical waste in satellite accumulation areas (SAAs). Segregate incompatible chemicals by means of a physical barrier (e.g., plastic secondary bins or trays).			
Place a request to EHS for chemical hazardous waste to be collected			
Biological waste: Disinfect and empty aspirator collection flasks.			
Collect all solid biological waste in appropriate containers and autoclave. Take autoclaved materials to building dumpster.			
Collect radioactive material into the appropriate waste containers and request a radioactive waste pickup from RSS			
Any questions about waste management, contact EHS.			

## Security

ITEM	Complete	N/A	Notes
Lock all entrances to the lab. Ensure key personnel who will support critical functions have appropriate access.			
Ensure windows are closed.			
Secure lab notebooks and other data.			
Take laptops home.			
If DEA Controlled Substances are needed during wind-down or animal emergencies ensure that those performing the essential tasks know how to access.			

## General Area

ITEM	Complete	N/A	Notes
Remove all perishable and open food items for the lab's break areas, lockers, personal spaces			

Please feel free to contact KU-EHS if you have any questions about how to secure hazards or safely suspend research operations in your laboratory.

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