New Laboratory Setup Safety Checklist

Principal Investigtor	
Building	
Room	
Administrative items - pa	perwork, signage ,documentation, people
Location to stor	re lab safety Information (binder or electronic Folder)
Chemical Hygie	ene Plan (document training on form) https://uwm.edu/safety-health/chem-hygiene/
Laboratory Spe	cific Chemical Hygiene Plan (document training on form) https://uwm.edu/safety-health/chem-hygiene/
	Laboratory Specific Safety Orientation form filled out for each person in lab
	ety Sign is posted outside lab door https://uwm.edu/safety-health/lab-safety-signs/
	epresentative chosen (optional) https://uwm.edu/safety-health/laboratory-procedures/
Other Laborato	ory Signage https://uwm.edu/safety-health/lab-safety-signs/
	Particularly Hazardous Substances
	Radioactive
	Laser Signs
_	Biosafety
	Electromagnet Warning
	Research Use Only
	Food Use Only
All training cert	ificates and training documentation are stored in safety binder
	s for Highly Hazardous Chemicals https://uwm.edu/safety-health/forms/
	ng your lab needs based on what you work with. https://uwm.edu/safety-and-assurances/training-overview/
	b Safety and Chemical Hygiene Plan Training once before beginning lab work
	Ory Safety Review once per year-see training calendar
Liquid Nitrogen	
	ce-on line https://uwm.edu/safety-health/laboratory-equipment/
<u> </u>	ng Every three years https://uwm.edu/safety-health/biosafety-training/
<u> </u>	ining on line https://uws-td.instructure.com/enroll/J7WY8C
	ing up to date Every year https://uwm.edu/environmental-protection/training/
Chemical	
Inventory on C	ChemManager+ https://uwm.edu/safety-health/chemmanager/
	previation Key posted //sites/USA/ Livouts/15/Doc.aspr/guestaccestoken-3ribprio/WODZwpLG30agFZM55125KIIIcy/CEY/b0Y%3D&docid=0cb88datbc4844c0734b09b51e6ba730e&action=default
	eets Available -[stored: binder or electronic or on CM+/Chemwatch].
Chemical spill I	kit is present https://uwm.edu/environmental-protection/spill-prevention-control-and-countermeasures/
Chemical St	orage NOTE: you can choose to have barcoded locations
	th/wp-content/uploads/sites/405/2024/07/UWM-Chemical-Storage-Segregation-Guidelines.pdf
	Chemicals segregated according to hazard
	Gas cylinder storage https://uwm.edu/safety-health/laboratory-equipment/
	Secured
	Flammable gasses have flashback arrestor
	Oxygend detectors for asphixiants
	Flammable storage cabinets
	Vented storage cabinets
	Corrosive storage cabinets
	Shelf storage
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Waste Mana	gementhttps://uwm.edu/environmental-protection/non-hazardous-waste/#a7
	Hazwaste accumulation area set up properly
	Sharps- containers present
	Broken glassware collection/ disposal method
	Pipette tips
Laboratory/	Shop/ Studio Equiptment https://uwm.edu/safety-health/laboratory-equipment/
	SOPs for hazardous equipment written and stored for easy access in lab safety binder
	Electrical available in the room / laboratory meets equipment needs
	Electrical cords are
-	grounded/ in tact
	GFI Interfaced Plugs where needed (near water)
	Gathered neatly (not trip hazard or strung over lights)
	Power strips are used to extend power rather than extension cords
	Proper Ventilation located where needed
	Hoses (gas / water) are connected securely to the equipment and will not leak.
	Hoses (gas/ water) are correct material for equipment or chemical in use.
	Equipment liquid waste containers are properly labeled, not on floor, and in secondary containment
Eyewash and	Safety Shower https://uwm.edu/safety-health/laboratory-equipment/
	Weekly eyewash flush performed and documented
	3ft clearance around and easily accessible
	Signage indicating safety shower/ eyewash location is present
Cold Storage	https://uwm.edu/safety-health/chem-safety/
	Research use only sign on door
	Inventory list posted on door
	Cleaning schedule posted or documented (every 6 months)
	Secondary containment for liquids
	Appropriate refrigerator for use (regular, flammable storage, explosion proof)
	Plugged directly into wall socket. Red sockets (generator) when needed.
Engineering	Controls https://uwm.edu/safety-health/laboratory-equipment/
	Chemical Fume Hood
	Hood testing complete (ASHRAE/ US&A)
	6 " clearance for airfoil and baffels
	Secondary containment for all liquids
	Glove Box
	Gloves intact/ no cracks
	Gasses connected
	BioSafety Cabinet
	Certified for Use
	OTHER

New Laboratory Setup Safety Checklist

PPE -(Doc	umented expected in LS-CHP) https://uwm.edu/safety-health/general-ppe/
	Proper Attire
•	Long pants or covered legs to ankle. Socks.
	Shirts (covering chest, torso, back upper arms at a minimum)
	Natural fiber clothing (cotton, wool or leather).
	Secure/tie back long hair, watch out for loose or hanging jewelry or clothing.
	Closed toe shoes (ie: No sandals, flip flops, open toes, open back, mesh top athletic sho
	Storage location - easy to don
	Lab Coats
	Gloves
	Eye Protection
	Respirators
	Hearing Protection
	Understands where to wear PPE and where not to wear PPE
Supply Sto	prage
	18" clearance from all sprinklers
	Floors clear of stored items
	all storage locations accessible
	Counter tops, sinks and bench tops are orderly
Fire Safety	https://uwm.edu/safety-health/fire/
	Fire extinguishers -clear access to them and they are stored correctly
	Flammable chemical storage present for labs with flammable over allowable amounts https://uwm.edu/safety-health/chem-safety/
	Hot work areas - process and permit in place
Spill/ Eme	rgency Preparation
	Emergency prepardness https://uwm.edu/safety-and-assurances/emergency-preparedness/
	Spill Kit https://uwm.edu/environmental-protection/spill-prevention-control-and-countermeasures/
	Fire Extinguisher Training https://uwm.edu/safety-and-assurances/occupational-safety/#fire-safety
Other Top	ics
	Lab renovation or lab hibernation https://uwm.edu/safety-health/forms/
	Working in Isolation- https://uwm.edu/safety-health/laboratory-procedures/ https://uwm.edu/safety-health/forms/
	Emergency contactinformation -updated and in Chemical Hygiene Plan (CHP)
	Eating and drinking areas defined clearly -
	(full wall and door to segegrate from lab space) https://uwm.edu/safety-health/laboratory-procedures/
	Laboratory inspections https://uwm.edu/safety-health/laboratory-procedures/
	Injury and illness reports
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