

F & O Checklist for EMSL

The matrix below indicates the specific hazards that are present in EMSL.

Room Hazards for EMSL																	
Rooms	Hazards																
	Bloodborne Pathogens/ OPIM	BSL1 - Biological Material	BSL2 - Biological Material	Chemical Hazards	Compressed Gases	Cryogenics	Extraordinary Electrical Hazards	High Power Lasers	Hot Cold Sources	Low Power Lasers	Magnetic Field	Mechanical Lifting Devices	Mechanical Power Transmission Apparatus	Open Flame	Pressurized Systems	Toxic Gases	Vacuum Chambers and Vessels
1101 (CSM Name)																	
1102 (CSM Name)	X	X		X	X	X		X		X							X
1106 (CSM Name)		X		X	X	X				X							X
1114 (CSM Name)				X	X	X	X	X	X	X		X	X	X		X	X
1117 (CSM Name)																	
1118 (CSM Name)				X	X	X	X	X	X	X						X	X
1119 (CSM Name)																	
1125 (CSM Name)																	
1130 (CSM Name)			X	X	X	X			X	X		X			X	X	X
1142 (CSM Name)				X	X	X	X	X			X						X

Self-Assessment Checklist for EMSL				
General				
General Hazards/Housekeeping				
#	Yes	No	N/A	Questions
1.	.	.	.	Are corridors, aisles, doorways and exits clear of obstructions and storage?
2.	.	.	.	Are room surfaces (i.e., floors, walls, doors, windows) kept clean?
3.	.	.	.	Are cabinets over 5 feet secured to building surfaces?
4.	.	.	.	Are stored materials organized and arranged such that tipping, falling and collapsing is prevented?
5.	.	.	.	Are walkways clear of tripping hazards (electrical cords, loose floor tiles, worn carpet, etc.)?
				Are normal electrical hazards minimized (e.g., non-UL listed equipment,

6.	.	.	.	obstructed breaker panels, electrical equipment subject to liquid spills, frayed cords, etc)?
7.	.	.	.	Are electrical panels and disconnects accessible and labeled?
8.	.	.	.	Are cover plates in place on wall receptacles, breaker panels and junction boxes?
9.	.	.	.	Are GFCIs located within 5 feet of wet locations? are they functioning properly?
10.	.	.	.	Do all telephones have sticker with emergency numbers?
11.	.	.	.	Are installed locks and tags legible and used appropriately?
12.	.	.	.	Are electrical hazards properly guarded and are staff using the guards (and not removing guards from energized electrical equipment without appropriate permits)?

Comments:
 .

Fire

Fire Safety

#	Yes	No	N/A	Questions
1.	.	.	.	Are unattended laboratory heating operations equipped with a manual reset over-temp shutoff?
2.	.	.	.	Are operations involving flammable or combustible materials protected from ignition sources?
3.	.	.	.	Are manual fire alarm stations accessible, unobstructed and visible?
4.	.	.	.	Are automatic sprinklers unobstructed (less than 18" clearance below the sprinkler except for storage against a wall), undamaged, not painted or corroded, and free of foreign material?
5.	.	.	.	Do areas having high hazards have two clear means of egress?
6.	.	.	.	Are fire doors free to operate, i.e., not secured or blocked open?
7.	.	.	.	Are exit enclosures (stairwells and corridors) clear of stored material?
8.	.	.	.	Are illuminated exit signs provided and in working order?

Comments:
 .

Chemical Hazards

Chemical Hazards

#	Yes	No	N/A	Questions
1.	.	.	.	Are all chemicals stored in a manner that prevents inadvertent discharge to drains?

Comments:

Compressed Gases

Compressed Gases

#	Yes	No	N/A	Questions
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are cylinders secured to prevent dislodgment?
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are protective caps in place on head valves of cylinders in storage?
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are regulators in place on head valves of cylinders in use?
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are compressed gas systems clearly labeled and properly supported?
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are flammable and oxidizing gases stored separately?
6.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are cylinder content hazards identified by labeling or other means?
7.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are highly toxic gases used and stored in ventilated gas cabinets?

Comments:

.

Low Power Lasers

Low Power Lasers

#	Yes	No	N/A	Questions
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are laser signs posted on workspace entrances where lasers are used?

Comments:

.

High Power Lasers

Lasers

#	Yes	No	N/A	Questions
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are appropriate interlock access controls provided where class IIIB and IV lasers systems are used?
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are laser signs posted on all workspace entrances where lasers are used?

Comments:

.

Extraordinary Electrical Hazards

Electrical Hazards

#	Yes	No	N/A	Questions
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are disconnects on permanently installed electrical equipment accessible and labeled?

2. Are electrical panels accessible and labeled?

Comments:

Mechanical Lifting Devices

Mechanical Lifting Devices

#	Yes	No	N/A	Questions
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Is load capacity posted on all mechanical lifting devices?
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are PMs current for in-service equipment (per inspection sticker/markings)?

Comments:

Mechanical Power Transmission Apparatus

Machine Guarding

#	Yes	No	N/A	Questions
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are machine guards in place to protect against hazards?
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are machine starting and stopping controls within easy reach of the operator?

Comments:

Pressurized Systems

Pressurized Systems

#	Yes	No	N/A	Questions
1.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are all system components (e.g., tubing, connections, vessels) rated for use at the setting of the pressure relief device?
2.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are all hoses or tubing connections adequately secured?
3.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are pressure relief devices clearly labeled with relief pressure?
4.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Have PRVs been tested in accordance with established schedules?
5.	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	Are PRV vents unobstructed and located such that a discharge will not harm staff?

Comments:

Hazardous Waste Accumulation

Hazardous Waste

#	Yes	No	N/A	Questions
---	-----	----	-----	-----------

1.	.	.	.	Are containers kept in a secondary container or spill collection pan?
Comments:				
.				

Ventilation

Ventilation

#	Yes	No	N/A	Questions
1.	.	.	.	Do open-face hoods have current and legible PM test stickers in place identifying a face velocity between 80-120 ft/min.?
2.	.	.	.	Are there audible or visual devices that warn if air flow stops?
3.	.	.	.	Are local exhaust systems provided with emergency power, if they are used to control exposures to toxic or hazardous materials?

Comments:

.