TAMHSC Laboratory Safety Inspection Checklist

Housekeeping
- Dirty work surfaces/spilled chemicals
- Excessive clutter on lab benches
- Excessive clutter on lab floors
- Excessive amounts of combustibles near ignition source
- Freezer needs to be defrosted
- Items in refrigerator/freezer not stored in orderly fashion
- Sharps left out on bench top
- Tripping hazard present

General Safety
- Cryogenic cylinder/Dewar damaged
- Cryogenic cylinder safety devices compromised
- Damaged Bunsen burner tubing
- Glass items stored directly on floor
- Glass under pressure (Rotovap, glass Dewars, etc.) not properly shielded or wrapped
- High pressure cylinder not secured in an approved manner
- High pressure cylinder not labeled appropriately Full/In Use/Empty
- High pressure cylinder cap not in place on cylinder that is not in use
- Laboratory door will not close and/or latch properly
- Lab equipment missing belt and pulley guard
- Laboratory unoccupied and door found unlocked
- Paper towels not available at sink for hand washing
- Sink not available for hand washing
- Soap not available at sink for hand washing
- Storage within 18” of sprinkler head
- Storage within 24” of ceiling
- Vacuum pump leaking oil/venting exhaust
- Vacuum pump missing belt and pulley guard
- Unlocked refrigerator/freezer/chemical storage cabinet in common area

Biosafety
- Biosafety cabinet not certified/needs recertification
- Biosafety cabinet is overcrowded, blocking airflow.
- Biowaste container over-filled
- Biowaste found in regular trash
- Biowaste stored on floor and not in secondary containment
- Centrifuge caps not in place
- Centrifuge does not have sealed rotor
- Cloth-covered furniture in lab
- Door to BL-2 lab not self-closing
- Entry/Exit signage not in place
- Entry/Exit signage incorrect
- Gas in use inside Biosafety cabinet

Revised October 2012
✓ Primary Biowaste container not present/available in Biosafety cabinet
✓ Sharps container not available
✓ Vacuum line not protected with HEPA filter
✓ Vacuum flask connected to vacuum line in Biosafety cabinet found outside Biosafety cabinet

Chemicals
✓ Chemicals not properly labeled
✓ Chemical label damaged and/or unreadable
✓ Chemical container is faulty or damaged
✓ Chemicals not stored according to hazard classification
✓ Acids and Bases stored together
✓ Glacial Acetic Acid should be stored with flammables
✓ Oxidizers and Flammables stored together
✓ Chemicals stored on bench top
✓ Chemicals stored on the floor
✓ Chemicals stored under the sink
✓ Chemicals stored with labels not facing out
✓ Flammable chemicals stored by ignition source
✓ Flammable chemicals stored in cold room
✓ Flammable chemicals stored in non-lab safe (household style) refrigerator/freezer
✓ Flammable liquids not stored in a Flammable Liquids Storage Cabinet
✓ Hazardous chemicals stored above eye level
✓ Improper storage of Perchloric Acid
✓ Large bottles stored in front of small bottles
✓ Quantity of flammable liquids exceeds the maximum allowed for this lab
✓ Time-sensitive chemicals stored beyond use/disposal timelines
✓ Unstable chemicals present
✓ Chemicals not appropriately dated with date received and date opened

Safe Lab Practices
✓ Cryogenic material stored in cold room
✓ Domestic refrigerator/freezer not labeled “No Flammables”
✓ Equipment with hot surfaces not properly labeled
✓ Evidence of eating and drinking in the lab
✓ Food/beverages stored in the lab
✓ Food/beverages stored in refrigerator/freezer
✓ Food utensils washed in lab sink
✓ Gloves not worn by lab personnel
✓ Ice maker not labeled “Not for Human Consumption”
✓ Improper clothing worn by lab personnel
✓ Improper footwear worn by lab personnel
✓ Improper sharps container
✓ Lab coats not worn by lab personnel
✓ Lab personnel not removing lab coats before leaving the lab
✓ Lab personnel not removing gloves before leaving the lab
✓ Lab personnel not washing hands before leaving the lab
✓ Labels on empty/reused bottles not adequately defaced
✓ Laboratory door propped/left open
Microwave not labeled “For Lab Use Only”
Sharps container more than ¾ full
Visitors to lab not identified by lab personnel
Emergency contact information not posted outside lab door

Fume Hoods
- Chemicals stored in the fume hood
- Electrical power strips in fume hood
- Equipment in fume hood not elevated to allow proper air flow
- Excessive amount of equipment/clutter in the fume hood
- Fume hood requires cleaning
- Flow alarm not functioning correctly
- Fume hood certification out of date
- Fume hood visibly damaged
- Items hanging from fume hood control knobs
- Lab personnel working in fume hood with the sash in full-open position
- Loose paper in fume hood
- Open containers in fume hood
- Sash left in the open position

Safety Equipment
- Eyewash is not an approved type
- Eyewash not available
- Eyewash obstructed
- Eyewash inspection is out of date/not flushed weekly
- Eyewash not working properly or is damaged
- Eyewash caps missing/not in place
- Fire extinguisher not located near the door
- Fire extinguisher sitting on floor
- Fire extinguisher obstructed
- Fire extinguisher is damaged/missing pin/missing tamper seal or has been discharged
- Safety shower inspection out of date
- Safety shower obstructed
- Safety shower appears to be damaged or is missing pull handle/chain

Waste Disposal
- Chemical waste container not labeled as “Hazardous Waste”
- Chemical waste container does not have label identifying contents
- Chemical waste container left open
- Chemical waste container not in secondary containment
- Chemical waste container ready for pick up but not appropriately tagged
- Chemical waste container is being moved and shared between labs
- Chemical waste not segregated by hazard classification
- Glass disposal box more than ¾ full
- Glass waste box is not lined
- Glass waste/sharps found in regular trash
- Glass disposal box not properly labeled
- Liquid chemical waste container does not have minimum 2 inches of headspace
查验

☑️ 老化化学物质需要处理

**电气**

☑️ 电气面板箱被阻塞
☑️ 电气面板盖被移除
☑️ 电气线缆断裂、破损、没有接地，或其他损坏
☑️ 电气线缆造成绊倒风险
☑️ 电气接线盒盖缺失或不正确放置
☑️ 电气插座/开关盖缺失或损坏
☑️ 电气插座明显损坏
☑️ 延长线缆用作永久接线的替代品
☑️ 延长线缆在使用
☑️ 暴露的接线
☑️ 多个适配器无内部断路器使用
☑️ 电源条连接在串联

**放射性材料/激光**

☑️ IIIb和/或IV级激光未注册给EHS
☑️ 合适的激光防护眼镜不可用/未被实验室的工作人员佩戴
☑️ 房间未正确标记为含有IIIb和/或IV级激光
☑️ RAM暴露区域未正确标记
☑️ 冰箱/冷冻箱未正确标记为含有RAM
☑️ 房间未正确标记为含有RAM