



# The Warning Sign Booklet

Prepared by: Western University Occupational Health & Safety  
Revision 10 - July 2019

# Western University Occupational Health and Safety Contact Information

Support Services Building - Room 4159  
Fax: 519-661-3420

## Emergency after-hours

Contact Western Campus Community Police Services at 911.

## Staff Members

Fadi Al Jallad  
Health & Safety Consultant 519-661-2111 ext. 84821  
[faljalla@uwo.ca](mailto:faljalla@uwo.ca)

Tony Hammoud  
Facilities Safety Coordinator 519-661-2111 ext. 88730  
Biological Safety Officer  
[ahammoud@uwo.ca](mailto:ahammoud@uwo.ca)

Anne Marie McCusker  
Health & Safety Consultant 519-661-2111 ext. 84741  
[amccuske@uwo.ca](mailto:amccuske@uwo.ca)

Kyle Pollard  
Health & Safety Consultant 519-661-2111 ext. 84855  
[kpollar@uwo.ca](mailto:kpollar@uwo.ca)

## Introduction to the Warning Sign Booklet

The use and storage of hazardous materials at Western is a normal part of the ongoing teaching and research activities associated with the University. While most members of the University community will have no reason to encounter these substances, some of our staff, faculty and students must have regular access to areas containing hazardous materials. In order to protect the health and safety of all members of the University, a series of standard warning signs was developed.

The purpose of these signs is threefold. First, identifying some rooms as hazard areas will warn unauthorized persons not to enter. Secondly, they will notify those people who may be required to enter the area on an irregular or infrequent basis of the particular hazards in the room. Finally, they will serve to remind those who work in hazard areas of the need to take special precautions, and to use special protective equipment where warranted.

Throughout this booklet, warning signs are classified according to two groups. These are **Caution** and **Danger** signs.

**Caution** signs indicate the presence of a hazard, but do not restrict entry beyond limiting it to authorized personnel. Included, as authorized personnel are the workers in the area, caretaking staff, trades, and Campus Community Police Service (CCPS) staff.

**Danger** signs indicate an immediate and unusually serious hazard and restrict entry to the area to the staff working on the project only. All other personnel must have permission of the research supervisor to enter the area.

This booklet will be amended from time to time as the situation on campus changes. Please refer any questions about any of this material to Occupational Health & Safety.

## Standard Warning Sign Information Sheet

**Title:** Caution – Hazardous Chemicals

**Type:** Caution

**Date:** June 2019

### Description of Hazard:

Hazardous Chemicals - various WHMIS Hazard Classes

### Instructions:

Caretaking: No restrictions on sweeping, bulb changing, dusting, garbage removal, testing safety showers or checking fire equipment.

Do not empty garbage cans containing chemical wastes or chemical bottles.

CCPS: No restrictions on entry.

Trades: No restrictions on entry.

Do not move or rearrange any lab equipment or containers- must be done by lab staff.

Routine maintenance must be scheduled **in advance with Lab Supervisor.**

*This sign is distributed by Western University Occupational Health & Safety. For further information, please contact a staff member - listed on page 2.*



# Authorized Personnel ONLY

This Room Contains the Following WHMIS Hazard Classes:

- |   |   |                          |   |   |                          |
|---|---|--------------------------|---|---|--------------------------|
|    | Compressed Gases  | <input type="checkbox"/> |    | Biohazard Materials                         | <input type="checkbox"/> |
|    | Fire Hazards & Combustible Materials                              | <input type="checkbox"/> |    | Corrosive Materials                         | <input type="checkbox"/> |
|   | Oxidizing Materials   | <input type="checkbox"/> |   | Dangerously Reactive or Explosive Materials | <input type="checkbox"/> |
|  | Materials with Immediate & Serious Toxic Effects                  | <input type="checkbox"/> |  | Health Hazards                              | <input type="checkbox"/> |
|  | Materials with Other Toxic Effects or that Damage the Ozone Layer | <input type="checkbox"/> |   |   |                          |

Supervisor:	Supervisor Office Location:
Supervisor Office Phone:	Supervisor Emergency Number:

All workers and visitors **MUST** wear **Safety Glasses** and any Personal Protective Equipment as required by the Supervisor

**In Case of Emergency Call: 911**

## Standard Warning Sign Information Sheet

**Title:** Material for Disposal

**Type:** Information

**Date:** June 2019

### Description of Hazard:

Chemical Waste: - Stickers used to identify packages containing chemical waste for disposal.

### Instructions:

Caretaking: Do not touch these packages. Contact individual on label or OHS.

CCPS: Do not touch these packages. If found on campus in unusual or inappropriate areas, contact the Researcher identified on the label, or Occupational Health & Safety.

Trades: Do not touch these packages. Contact individual on label or OHS.

\* If package is leaking, isolate the area and call Campus Community Police Services at 911.

*This sign is distributed by Western University Occupational Health & Safety. For further information, please contact a staff member - listed on page 2.*



# Standard Warning Sign Information Sheet

**Title:** Caution – Radiation Area

**Type:** Caution

**Date:** June 2019

## Description of Hazard:

Radiation Area - Radioactive Laboratory and/or radioactive material storage area

- Active benches, equipment, containers and storage area are labelled with radiation tape and/or sign(s)

## Instructions:

**Caretaking:** No restrictions on regular garbage removal, sweeping, dusting, bulb changing, drench shower testing or checking fire equipment.

Do not enter if equipment or experiment in progress, verify with the researcher.

**After-hours:** Contact the Laboratory Supervisor and/or CCPS at 911 or extension 83300.

**CCPS:** Do not enter unless escorted.

**Trades:** Do not enter if material in use. Maintenance must be scheduled in advance with the lab supervisor.

Do not move or rearrange any lab equipment.

**After-hours:** Contact the Laboratory Supervisor and/or CCPS at 911 or Ext. 83300.

*This sign is distributed by Western University Occupational Health & Safety. For further information, please contact a staff member - listed on page .*



# RAYONNEMENT — DANGER — RADIATION



## RESTRICTED AREA

### RADIATION PERMIT HOLDER

Name \_\_\_\_\_ Phone No. \_\_\_\_\_

### IN CASE OF EMERGENCY CONTACT:

UWO RADIATION SAFETY COORDINATOR  
(519) 661-2111 Ext. 84746 - 8:30 am - 4:30 pm

UWO POLICE - 911 using campus telephone

## DESIGNATED NUCLEAR SUBSTANCE ROOM

### NOTICE TO ALL PERSONNEL

Security regulations  
demand that this room

### **MUST BE KEPT LOCKED**

in the absence  
of an authorized person or  
persons during normal working hours  
and at all other times  
including evenings, nights,  
weekends and holidays

## Standard Warning Sign Information Sheet

**Title:** Caution – Radioactive Material Storage    **Type:** Caution    **Date:** June 2019

### Description of Hazard:

- Open Source radioactive materials\*, being stored in frozen or prepared solutions
- Radioactive materials are labelled and in marked containers.

\* open source = solid, liquid

This sign is used on refrigerators, freezers, incubators, cupboards, and other storage cabinets.

### Instructions:

Caretaking: Do not enter or open these storage areas.

Any scientific equipment with this sign affixed, must not be disposed to regular garbage or landfill.

After-hours: Contact CCPS at 911.

CCPS: Do not touch or move this equipment.

Trades: Do not touch or move this equipment unless it has been checked for contamination and confirmed as cleaned.

Storage area must be empty and tested for contamination before repair or maintenance work can proceed.

After-hours: Contact CCPS at 911.

\* You may ask for contamination results prior to doing any work

*This sign is distributed by Western University Occupational Health & Safety. For further information, please contact a staff member - listed on page 2.*

**RAYONNEMENT — DANGER — RADIATION**



**NUCLEAR SUBSTANCE STORAGE AREA**

**NO DRINK, FOOD OR UTENSILS**

## Standard Warning Sign Information Sheet

**Title:** Caution – Radioactive Material

**Type:** Caution

**Date:** June 2019

### Description of Hazard:

- Radioactive materials waste label
- This sticker identifies radioactive waste materials, packaged for disposal, often usually in a 20L plastic pail, approved for radioactive waste or bags.

### Instructions:

Caretaking: Do not touch or remove any of these packages.

Any packages with this sign affixed, must **not** be disposed in regular garbage or landfill.

Contact the permit holder and/or CCPS at 911.

CCPS: Do not touch these packages. If found in an unusual or inappropriate location, contact the permit holder, identified on the label.

Trades: Do not touch these packages.

After-hours: Call permit holder or contact the Lab Supervisor and/or CCPS at 911.

*This sign is distributed by Western University Occupational Health & Safety. For further information, please contact a staff member - listed on page 2.*

**Western University**

**RAYONNEMENT — DANGER — RADIATION**

Nuclear Substance: \_\_\_\_\_

Activity ( $\mu\text{Ci}$  or  $\text{MBq}$ ): \_\_\_\_\_

Date of Activity: \_\_\_\_\_

Permit Holder: \_\_\_\_\_

Permit Number: \_\_\_\_\_



(Check ✓)

- |  |   |
|--|---|
| <input type="checkbox"/> AQUEOUS (Water Soluble) | <input type="checkbox"/> LIQUID SCINTILLATION |
| <input type="checkbox"/> COMBUSTIBLE             | <input type="checkbox"/> VIALS                |
| <input type="checkbox"/> GLASS                   | <input type="checkbox"/> OTHER: _____         |
| <input type="checkbox"/> HAZARDOUS CHEMICALS     | _____   |

List and Quantity (%) of Hazardous Chemicals (if applicable):

\_\_\_\_\_  
\_\_\_\_\_

## Standard Warning Sign Information Sheet

**Title:** Warning - This device contains RADIOACTIVE MATERIAL

**Type:** Caution

**Date:** June 2019

### Description of Hazard:

Sealed Source Radioactive materials are present inside the labelled equipment.

### Instructions:

Caretaking: Do not move any equipment bearing this label.

This equipment must not be disposed of without prior approval of OHS.

After-hours: Contact the Lab Supervisor and/or CCPS at 911.

CCPS: Do not touch or move any equipment bearing this label, contact OHS.

Trades: Do not touch or move any equipment bearing this label unless authorized by the Lab Supervisor.

*This sign is distributed by Western University Occupational Health & Safety. For further information, please contact a staff member - listed on page 2.*



## RAYONNEMENT — DANGER — RADIATION



This radiation device contains sealed source

Nuclear Substance \_\_\_\_\_

Quantity (MBq or mCi) \_\_\_\_\_

Initial Date \_\_\_\_\_

Permit Holder \_\_\_\_\_

Permit Number \_\_\_\_\_

Telephone \_\_\_\_\_

**Contact the UWO Radiation Safety Coordinator before disposing of or relocating of this radiation device.**

In case of emergency contact:  
UWO Radiation Safety Coordinator  
(519) 661 - 2111 Ext. 84746 - 8:30 am to 4:30 pm  
Or  
UWO Police - 911 using campus telephone

## Standard Warning Sign Information Sheet

**Title:** Caution - X-RAY Room

**Type:** Caution

**Date:** June 2019

### Description of Hazard:

- X-Ray generating equipment, x-ray diffraction machines, x-ray fluorescent equipment.
- Machine is turned on when red warning light located at entrance is on.
- No hazard if the machine is turned off.

### Instructions:

Caretaking: Do not enter if equipment in use, otherwise, no restrictions on entry into the room or laboratory.

CCPS: Do not enter if equipment in use, otherwise, no restrictions on entry into the room or laboratory.

Trades: Do not enter if equipment in use, otherwise, no restrictions on entry into the room or laboratory.

*This sign is distributed by Western University Occupational Health & Safety. For further information, please contact a staff member - listed on page 2.*



# CAUTION X-RAY ROOM



---

SUPERVISOR(S)

---

TELEPHONE NUMBER: \_\_\_\_\_

## Standard Warning Sign Information Sheet

**Title:** Restricted Entry – Laser Beam

**Type:** Caution

**Date:** June 2019

### Description of Hazard:

- Laser beam may cause exposure to skin or eyes.
- Machine is turned on when red warning light located at the entrance is on.
- No hazard if the machine is turned off.

### Instructions

**Caretaking:** Do not enter if equipment is in use, or laser beam is turned on, otherwise, no restrictions on entry into the room or laboratory

**CCPS:** Do not enter if equipment is in use, or laser beam is turned on, otherwise, no restrictions on entry into the room or laboratory.

**Trades:** Do not enter if equipment is in use, or laser beam is turned on, otherwise, no restrictions on entry into the room or laboratory.

*This sign is distributed by Western University Occupational Health & Safety. For further information, please contact a staff member - listed on page 2.*



# DANGER



**VISIBLE and/or INVISIBLE LASER RADIATION  
AVOID EYE OR SKIN EXPOSURE  
TO DIRECT OR SCATTERED RADIATION  
LASER PROTECTIVE EYEWEAR REQUIRED**

(Type of Laser, Wavelength, Maximum Output and Pulse Duration information are listed below)

**CLASS 3B and 4 LASERS**

Laser Permit Holder \_\_\_\_\_ Phone \_\_\_\_\_

## Standard Warning Sign Information Sheet

**Title:** Biohazard

**Type:** Caution

**Date:** June 2019

### Description of Hazard:

BIOHAZARD LEVEL 1 or 2 - Viruses, bacteria, or other agents including human source material at Level 1 or 2 containment, stored or used in this equipment.

### Instructions:

**Caretaking:** Do not move, open, or disturb equipment without permission of lab Supervisor.

**CCPS:** Deal with emergencies (fire, flood, etc.) as required. Contact the Lab Supervisor immediately.

**Trades:** Do not move, open or disturb equipment without permission of the Lab Staff.

Equipment must be emptied, cleaned and disinfected before maintenance or repair work is done.

\* If equipment or waste containers leaking, isolate and call CCPS at 911.

*This sign is distributed by Western University Occupational Health & Safety. For further information, please contact a staff member - listed on page 2.*



## Standard Warning Sign Information Sheet

**Title:** Caution - Biohazard Level 1

**Type:** Caution

**Date:** June 2019

### Description of Hazard:

BIOHAZARD LEVEL 1 - Viruses, bacteria, or other agents at LEVEL 1 containment.

### Instructions:

**Caretaking:** No restrictions on sweeping, bulb changing, drench shower testing, or checking fire equipment.

Make prior arrangements for floor buffing.

Garbage removal from regular garbage containers only- do not handle radioactive waste pails or biohazard-labelled containers.

**CCPS:** No restrictions on entry.

Emergencies (fire, flood, etc.) May be dealt with as required, the Lab Supervisor must be contacted immediately.

**Trades:** No restrictions on entry.

Do not move or re-arrange any lab equipment or containers - must be done by Lab Staff. Equipment must be clean and empty before maintenance or repair work is done.

*This sign is distributed by Western University Occupational Health & Safety. For further information, please contact a staff member - listed on page 2.*

# CAUTION



**BIOHAZARD**

**Containment  
Level**

**1**

LIST BIOHAZARDS:

---

---

---

---

**AUTHORIZED PERSONNEL ONLY**

---

RESPONSIBLE INVESTIGATOR: \_\_\_\_\_

IN CASE OF EMERGENCY CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

Western University  
Occupational Health & Safety

## Standard Warning Sign Information Sheet

**Title:** Caution – Biohazard Level 2

**Type:** Caution

**Date:** June 2019

### Description of Hazard:

BIOHAZARD LEVEL 2 - Viruses, bacteria or other agents at LEVEL 2 containment.

### Instructions:

Caretaking: Do not remove labelled biohazard waste.

Each lab has individual restrictions on sweeping, garbage removal, bulb changing, and drench shower testing, and checking fire equipment.

Make prior arrangements for any of the above.

Consult with each Laboratory Research Director for instructions.

CCPS: Do not enter unless an emergency. Deal with emergencies (fire, flood, etc.) As required. Contact the Lab Supervisor immediately.

Trades: Do not enter unless prior arrangements are made with Lab Staff.

Do not move or re-arrange any lab equipment or containers - this must be done by Lab Staff.

Equipment must be empty, clean, and decontaminated by an approved method before maintenance or repair work is done.

After hours contact lab supervisor and/or CCPS at 911.

*This sign is distributed by Western University Occupational Health & Safety. For further information, please contact a staff member - listed on page 2.*



# CAUTION



**BIOHAZARD**

**Containment  
Level  
2**

LIST BIOHAZARDS:

---

---

---

---

**AUTHORIZED PERSONNEL ONLY**

---

RESPONSIBLE INVESTIGATOR: \_\_\_\_\_

IN CASE OF EMERGENCY CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

Western University  
Occupational Health & Safety

## Standard Warning Sign Information Sheet

**Title:** Danger – Biohazard Level 3

**Type:** Danger

**Date:** June 2019

### Description of Hazard:

BIOHAZARD LEVEL 3 - Viruses, bacteria or other agents at LEVEL 3 containment.

### Campus Location:

Dental Science Building - 6th floor Suite  
Refer to specific list of rooms at the end of this booklet.

### Instructions:

**Caretaking:** Do not enter unless Facility is closed down for research and is decontaminated.

Enter only with authorization of Biosafety Officer and Laboratory Supervisor.

**Security:** Do not enter without contacting the Supervisor or Department Chair.

In case of Emergencies (fire, flood, etc.) evacuate and secure the area.

**Contact:** Personnel designated on the Call-In list.

**Trades:** Do not enter unless Facility is closed down for research and is decontaminated.

Enter only with authorization of Biosafety Officer or the Supervisor.

*This sign is distributed by Western University Occupational Health & Safety. For further information, please contact a staff member - listed on page 2.*

**DANGER**



**BIOHAZARD  
LEVEL**

**3**

**NO  
ADMITTANCE**

**— AUTHORIZED PERSONEL ONLY —**

RESPONSIBLE INVESTIGATOR: \_\_\_\_\_

IN CASE OF EMERGENCY CONTACT: \_\_\_\_\_

PHONE: \_\_\_\_\_

WESTERN UNIVERSITY

## Standard Warning Sign Information Sheet

**Title:** Danger – Strong magnetic Field

**Type:** Danger

**Date:** June 2019

### Description of Hazard:

Strong Magnetic Field

- pacemaker and metal prosthetic users are at risk of serious injury or death
- ATM, credit cards and watches may be damaged

### Instructions:

Caretaking: Do not enter without prior approval of lab supervisor  
No routine garbage removal, sweeping, dusting or bulb changing.  
No work in this area without lab staff in attendance

Enter with lab staff to test drench shower or check fire extinguishers.

CCPS: Do not enter without contacting the lab supervisor or department chair.

Trades: Do not enter without supervisor or lab staff in attendance.

Routine maintenance must be scheduled **in advance with the lab supervisor.**

*This sign is distributed by Western University Occupational Health & Safety. For further information, please contact a staff member - listed on page 2.*



**DANGER**



## **STRONG MAGNETIC FIELD**

### **Pacemaker/Prosthetic Users**

Pacemaker and metal prosthetic users are at risk of serious injury or death. Such users must stay at least 4.6 meters (15 feet) away from the magnet until safety at a closer distance is identified by a physician and medical device manufacturer.

### **ATM/Credit Cards**

The magnetic field can disable ATM and credit cards and damage watches. Keep ATM and credit cards away from the strong magnetic field.