Western University Health, Safety & Well-being Contact
Information

Support Services Building - Room 4159
hsw@uwo.ca
Fax: 519-661-3420

Emergency after-hours

Contact Western Special Constable Services (WSCS) at 911.

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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 Western Special Constable Service (WSCS) 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 Health, Safety & Well-being (HSW).
Title: Caution- Authorized Personnel ONLY    Type: Caution    Date: June 2024

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.

WSCS: 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 Health, Safety & Well-being. For further information, please contact hsw@uwo.ca - listed on page 2.
Authorized Personnel ONLY

This Room Contains the Following WHMIS Hazard Classes:

- Compressed Gases
- Biohazard Materials
- Fire Hazards & Combustible Materials
- Corrosive Materials
- Oxidizing Materials
- Dangerously Reactive or Explosive Materials
- Materials with Immediate & Serious Toxic Effects
- Health Hazards
- Materials with Other Toxic Effects or that Damage the Ozone Layer

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<tr>
<th>Supervisor:</th>
<th>Supervisor Office Location:</th>
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<th>Supervisor Office Phone:</th>
<th>Supervisor Emergency Number:</th>
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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 2024

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 HSW.

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

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

* If package is leaking, isolate the area and call Western Special Constable Services at 911.

This sign is distributed by Western University Health, Safety & Well-being. For further information, please contact hsw@uwo.ca - listed on page 2.
HAZARDOUS MATERIAL FOR DISPOSAL

NAME OF CONSTITUENT(S) % TOTAL CONTENT

PRINCIPAL HAZARD(S):

In the event of an emergency, please call:
Research Director:
Phone Number:
Location of Lab:
Date:

PR 4159 jb 8/90

Product Identifier

Must be the brand name, chemical name, common name, generic name, trade name, etc. of the hazardous product found on the SDS

Hazard Information

Include the signal word and hazard statement from SDS

Safe Handling Precautions

PPE requirements, hygiene, emergency measures

See Safety Data Sheet (SDS) before using

WHMIS - Workplace Label
Standard Warning Sign
Information Sheet

Title: Caution – Radiation Area  Type: Caution  Date: June 2024

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 WSCS at 911.

WSCS: 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 WSCS at 911.

This sign is distributed by Western University Health, Safety & Well-being. For further information, please contact hsw@uwo.ca - listed on page 2.
RAYONNEMENT — DANGER — RADIATION

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

RESTRICTED AREA

RADIATION PERMIT HOLDER
Name ___________________ Phone No. _________

IN CASE OF EMERGENCY CONTACT:
UWO RADIATION SAFETY OFFICER
(519) 661-2111 Ext. 84746 – 8:30 am – 4:30 pm
WSCS – 911 using campus telephone

9
Standard Warning Sign
Information Sheet

Title: Caution – Radioactive Material Storage  Type: Caution  Date: June 2024

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 WSCS at 911.

WSCS: 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 WSCS at 911.

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

This sign is distributed by Western University Health, Safety & Well-being. For further information, please contact hsw@uwo.ca - listed on page 2.
Standard Warning Sign
Information Sheet

Title: Caution – Radioactive Material
Type: Caution
Date: June 2024

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 WSCS at 911.

WSCS: 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 WSCS at 911.

This sign is distributed by Western University Health, Safety & Well-being. For further information, please contact hsw@uwo.ca - listed on page 2.
Western University
RAYONNEMENT — DANGER — RADIATION

Nuclear Substance: ____________
Activity (μCi or MBq): ____________
Date of Activity: ____________
Permit Holder: ____________
Permit Number: ____________

(Check ✓)
- AQUEOUS (Water Soluble)
- COMUSTIBLE VIALS
- GLASS OTHER:
- 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 2024

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 HSW.

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

WSCS: Do not touch or move any equipment bearing this label, contact HSW.

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

This sign is distributed by Western University Health, Safety & Well-being. For further information, please contact hsw@uwo.ca - 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 or relocating of this radiation device.

In case of emergency contact:
UWO Radiation Safety Officer
(519) 661 - 2111 Ext. 54746 – 8:30 am to 4:30 pm

Or
Western Special Constable Services (WSCS) – 911 using campus telephone
Standard Warning Sign  
Information Sheet

Title: Caution - X-RAY Room       Type: Caution       Date:  June 2024

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.

    WSCS:        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 Health, Safety & Well-being. For further information, please contact hsw@uwo.ca - listed on page 2.
CAUTION: X-RAYS
ATTENTION: RAYONS-X

Do not enter when light is illuminated.

Dosimetry required while in service area.

If you are pregnant, or think you may be pregnant, please contact RSO.

Only individuals that are listed as authorized users on the specific X-ray machine may have the ability to operate the X-ray unit(s).

IN CASE OF EMERGENCY CONTACT:
WESTERN RADIATION SAFETY OFFICER (RSO)
(519) 661 – 2111 Ext. 84746 (8:30 am – 4:30 pm)
WESTERN SPECIAL CONSTABLE SERVICE (WSCS)
911 using campus telephone

X-RAY PERMIT HOLDER:
Name: __________________________
Phone No.: ______________________
Standard Warning Sign
Information Sheet

Title: Restricted Entry – Laser Beam   Type: Caution   Date: June 2024

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.

WSCS: 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 Health, Safety & Well-being. For further information, please contact hsw@uwo.ca - listed on page 2.
CAUTION

Class ____ Laser In Use
Avoid eye or skin exposure to direct or scattered radiation.
Laser eye protection required.

IN CASE OF EMERGENCY CONTACT:
WESTERN RADIATION SAFETY OFFICER
(519) 661 – 2111 Ext. 84746 (8:30 am – 4:30 pm)
WESTERN SPECIAL CONSTABLE SERVICE (WSCS)
911 using campus telephone

LASER RADIATION

LASER PERMIT HOLDER:
Name: ____________________________
Phone No.: ________________________
Standard Warning Sign
Information Sheet

**Title:** Restricted Entry – Laser Beam  
**Type:** Danger  
**Date:** June 2024

**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.

WSCS: 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 Health, Safety & Well-being. For further information, please contact hsw@uwo.ca - listed on page 2.*
DANGER

Class _____ Laser Controlled Area
Avoid eye or skin exposure to direct or scattered radiation.
Do not enter when light is illuminated.
Laser eye protection required:
OD __________ @ __________ nm

IN CASE OF EMERGENCY CONTACT:
WESTERN RADIATION SAFETY OFFICER
(519) 661 – 2111 Ext. 84746 (8:30 am – 4:30 pm)
WESTERN SPECIAL CONSTABLE SERVICE (WSCS)
911 using campus telephone

LASER PERMIT HOLDER:
Name: ____________________________________________
Phone No.: ________________________________________
Standard Warning Sign
Information Sheet

Title: Biohazard          Type: Caution          Date: June 2024

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.

  WSCS: 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 WSCS at 911.

This sign is distributed by Western University Health, Safety & Well-being. For further information, please contact hsw@uwo.ca - listed on page 2.
Title: Caution – Biohazard Containment Level 1
Type: Caution
Date: June 2024

Description of Hazard:

BIOHAZARD CONTAINMENT LEVEL 1 - Viruses, bacteria, or other biological 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 biohazard-labelled containers.

WSCS: 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 Health, Safety & Well-being. For further information, please contact hsw@uwo.ca - listed on page 2.
Title: Caution – Biohazard Containment Level 2
Type: Caution
Date: June 2024

Description of Hazard:

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

Instructions:

Caretaking: Do not remove labelled biohazard waste.

- Each lab has individual restrictions on sweeping, garbage removal, bulb changing, drench shower testing, and checking fire equipment.
- Make prior arrangements for any of the above.
- Consult with each Laboratory Research Director for instructions.

WSCS: 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 WSCS at 911.

This sign is distributed by Western University Health, Safety & Well-being. For further information, please contact hsw@uwo.ca - listed on page 2.
Standard Warning Sign
Information Sheet

Title: Biohazard Containment Level 3  Type: Danger  Date: June 2024

Description of Hazard:

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

Campus Location: Dental Science Building - 6th floor Suite

Instructions:

Caretaking: Do not enter unless Facility is closed down for research and is decontaminated. Must be accompanied by Facility Staff or Biosafety Officer.

Enter only with authorization of Biosafety Officer or Facility Supervisor.

WSCS: Do not enter without contacting the Facility Director of Operations or Biosafety Officer.

In case of Emergencies (fire, flood, etc.) secure the area and deploy HazMat Team.

Contact: Personnel designated on the Call-In list.

Trades: Enter only with authorization and accompaniment of Biosafety Officer, Facility Director of Operations, or designated Facility Staff.

This sign is distributed by Western University Health, Safety & Well-being. For further information, please contact hsw@uwo.ca - listed on page 2.
### Biohazard Label

**Authorized Personnel Only**

This containment zone contains infectious materials or toxins.

**Biohazard**

**Containment Level:** 3

**Emergency Contact:**

**Contact Info:**

**Alternate Emergency Contact:**

**Contact Info:**

**Required PPE**

- Scrubs
- Facility Dedicated Footwear
- Gown
- PAPR
- Gloves (Double Layer)
- Shoe Covers (Double Layer)

**Additional PPE:**

**Additional Special Provisions for Entry (Optional):**

**Unique Hazards (Optional):**

**Entry Requirements (Optional):**
Standard Warning Sign
Information Sheet

Title: Danger – Strong magnetic Field       Type: Danger       Date: June 2024

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.

WSCS: 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 Health, Safety & Well-being. For further information, please contact hsw@uwo.ca - listed on page 2.
STRONG MAGNETIC AND RADIO-FREQUENCY FIELDS ARE PRESENT

Pacemaker and Metallic Implant Hazard

Strong magnetic and radio-frequency fields are present that could cause serious injury or death to persons with implanted or attached medical devices, such as pacemakers and prosthetic parts.

Such persons must not go closer to the magnet than the 5-GAUSS WARNING signs until safety at a closer distance is identified by a physician or medical device manufacturer.

Magnetic Media and ATM/Credit Cards

Strong magnetic fields are present that could erase magnetic media such as floppies and tapes, disable ATM and credit cards, and damage some watches.

Do not take such objects closer to the magnet than the 5-GAUSS WARNING signs.

Tools and Equipment

Strong magnetic fields are present that could make some magnetic items suddenly fly towards the magnet body, which could cause personal injury or serious damage.

Do not take tools, equipment, or personal items containing steel, iron, or other magnetic materials closer to the magnet than the 10-GAUSS WARNING signs.