THE WARNING SIGN BOOKLET

Prepared by: Western University Occupational Health & Safety
Revision 9 - September 2013
Western University Occupational Health and Safety
Contact Information

Support Services Building
Room 4190

Emergency after-hours: Contact Western Campus Community Police Services at 911.

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Staff Members

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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, tradesmen, and security 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.
Title: Caution – Hazardous Chemicals  
Type: Caution  
Date: May 2012

Description of Hazard:

Hazardous Chemicals - various WHMIS Hazard Classes

Instructions:

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

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

Security: 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!

CAUTION

This Room Contains the following WHMIS Hazard Classes:

- Compressed Gases
- Flammable & Combustible Material
- Oxidizing Material
- Materials with immediate & Serious Toxic Effects
- Materials with Other Toxic Effects
- Biohazard Material
- Corrosive Materials
- Dangerously Reactive Materials

All workers and visitors MUST wear required Personal Protective Equipment

<table>
<thead>
<tr>
<th>Supervisor Name:</th>
<th>Supervisor Office Phone:</th>
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<tbody>
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<table>
<thead>
<tr>
<th>Supervisor Office Location:</th>
<th>Supervisor Emergency Phone:</th>
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</thead>
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</table>

In Case of Emergency Call: 911
Standard Warning Sign
Information Sheet

Title: Caution - Hazardous Chemicals
Type: Caution
Date: May 2012

Description of Hazard:
Hazardous Chemicals - various WHMIS Hazard Classes

Instructions:

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

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

Security:  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.

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CAUTION
HAZARDOUS CHEMICALS

Authorized Personnel Only

SUPERVISOR (S)

NAME: ____________________________

TELEPHONE: LOCAL ___________

HOME _________________________
Title: Danger – Hazardous Chemicals

Type: Danger

May 2012

Description of Hazard:

Hazardous Chemicals - includes shock sensitive or explosive chemicals
- extremely toxic gases or liquids

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 showers or check fire extinguishers.

Security: Do not enter without contacting the lab supervisor or department chairman.

In case of emergency (fire, flood, break-in) evacuate and secure the area, contact the supervisor or department chairman.

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
HAZARDOUS CHEMICALS
No One To Enter Without Permission Of Supervisor

SUPERVISOR (S)

NAME: ____________________________________________

TELEPHONE:  LOCAL ____________________________

HOME ____________________________
Standard Warning Sign
Information Sheet

| Title: Material for Disposal | Type: Information | Date: May 2012 |

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.

- **Security:** Do not touch these packages. If found on campus in unusual or inappropriate areas, contact the Research Director 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: May 2012

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 Western Police at 911 or extension 83300.

Security:
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 Western Police 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 2.
CAUTION
RADIATION
AREA

SUPERVISOR (S)

NAME: ____________________________

TELEPHONE NUMBER: ____________________________
Title: Caution – Radioactive Material Storage
Type: Caution
Date: May 2012

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 Western Police at 911.

Security: 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 Western police 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.
CAUTION

RADIOACTIVE MATERIAL STORAGE AREA

NO FOOD OR BEVERAGE ALLOWED
Standard Warning Sign
Information Sheet

<table>
<thead>
<tr>
<th>Title: Caution – Radioactive Material</th>
<th>Type: Caution</th>
<th>Date: May 2012</th>
</tr>
</thead>
</table>

Description of Hazard:

- Radioactive materials waste label
- This sticker identifies radioactive waste materials which are packaged for disposal.

Instructions:

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

Any bags/packages with this sign affixed, must not be disposed to regular garbage or landfill.

Contact the permit holder and/or Western Police at 911.

Security: 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 Western Police 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
RADIOACTIVE
MATERIAL

ISOTOPE: ______________________

ACTIVITY (Ci or Bq): ______________

Date of Activity: __________________

Permit Holder: ____________________

Name(s) of additional chemical hazard(s):

☐ ORGANIC SOLVENT

☐ AQUEOUS -W-CHEMICAL HAZARD(S)

☐ COMBUSTIBLE

☐ GLASS

☐ OTHER:

______________________________

______________________________
Standard Warning Sign
Information Sheet

Title: Caution – Radioactive Materials
Type: Caution
Date: May 2012

Description of Hazard:
-Radioactive materials waste container label (usually a 5 gallon size pail, plastic or metal)
-This label identifies an approved radioactive waste container.

Instructions:

Caretaking: Do not empty or remove any of these containers.

The contents of these labelled containers must not be disposed to regular garbage or landfill.

Contact the permit holder and/or Western Police at 911.

Security: Do not touch these containers.

Trades: Do not touch these containers.

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

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

RADIOISOTOPE LABORATORY

NOTICE TO ALL LAB PERSONNEL AND CARETAKING STAFF

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.

SUPERVISOR (S)

Name __________________________________________ Telephone # __________________________

IN CASE OF EMERGENCY CONTACT:

UWO RADIATION SAFETY OFFICER
(519) 661-2311 Ext. 6496 — 8:30 am - 4:30 pm

UWO POLICE — 911
Title: Warning - This device contains RADIOACTIVE MATERIAL

Type: Caution

Date: May 2012

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 Western Police at 911.

Security: 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.
DANGER
Radiation

This radiation device contains sealed source

Nuclear Substance ____________

Quantity (MBq or mCi) ____________

Initial Date ____________

Permit Holder ____________

Telephone ____________

Contact the Radiation Safety Coordinator before disposing of or relocating of the 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
Standard Warning Sign
Information Sheet

| Title: Caution - X-RAY Room | Type: Caution | Date: May 2012 |

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.

Security: 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: May 2012 |

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.

Security: 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

CLASS 4 LASER
Standard Warning Sign
Information Sheet

Title: Biohazard  Type: Caution  Date: May 2012

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.

Security: 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 Western Police at 911.

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

Lab Safety Supply Inc.
Reorder No. 17697
Standard Warning Sign
Information Sheet

Title: Caution - Biohazard Level 1  Type: Caution  5. Date: May 2012

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.

Security: 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

LEVEL 1

AUTHORIZED PERSONNEL ONLY

RESPONSIBLE INVESTIGATOR: ____________________________

IN CASE OF EMERGENCY CONTACT: ____________________________

PHONE: ____________________________

The University of Western Ontario
Personnel Dept., Safety Section
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, drench shower testing, and checking fire equipment. Make prior arrangements for any of the above.

Consult with each Laboratory Research Director for instructions.

Security: 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 police at 911.

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

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.
LEVEL 3 BIOHAZARD FACILITY
ENTRY PROHIBITED
WITHOUT THE CONSENT OF THE
BIOHAZARD COMMITTEE
IN EVENT OF EMERGENCY
CALL UWO POLICE  911
BIO-SAFETY OFFICER  81135
Standard Warning Sign
Information Sheet

| Title: Caution – Sheep Containment Unit | Type: Caution | Date: May 2012 |

Description of Hazard:
Sheep may potentially be infected with Q Fever.

Instructions:

Caretaking: Do not enter unless facility is closed down for research and has been decontaminated
Enter only with authorization of Biosafety Officer or Manager, Health Sciences Animal Facility

Security: Do not enter unless accompanied by Biosafety Officer or Manager, Health Sciences Animal Facility
In case of Emergencies (fire, flood etc) evacuate and secure area
Contact: Biosafety Officer or Manager, Health Sciences Animal Facility.

Trades: Do not enter unless facility is closed down for research and has been decontaminated.
Enter only with authorization of Biosafety Officer or Manager, Health Sciences Animal Facility.

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

SHEEP CONTAINMENT UNIT

AUTHORIZED PERSONNEL ONLY

RESPONSIBLE INVESTIGATOR

IN CASE OF EMERGENCY CONTACT 646-6000 prger 10905

PHONE
Standard Warning Sign
Information Sheet

<table>
<thead>
<tr>
<th>Title: Danger – Strong magnetic Field</th>
<th>Type: Danger</th>
<th>Date: May 2012</th>
</tr>
</thead>
</table>

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.

Security:  Do not enter without contacting the lab supervisor or department chairman.

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

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

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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.