



Department of Civil Engineering
University of New Brunswick

Laboratory Safety Information [Hydraulics Lab – A-15A]

Hours of Operation: 7:45 AM – 4:00 PM Mon to Fri (Summer)
8:15 AM – 4:30 PM Mon to Fri (Fall/Winter)

Contacts	Name	Phone	Email
Technician	Andrew Sutherland	453-5126	sutheran@unb.ca
Faculty Member	Dr. Katy Haralampides	453-5325	katy@unb.ca

Use of this laboratory is restricted to authorized personnel only.
Restrictions apply to the use of equipment in this area
Check with the Lab Technician for training & authorization.

Personal Protective Equipment

- CSA Approved Safety Footwear must be worn
- Eye, ear, respiratory and hand protection to be used when there is a danger of injury.
- Masks must be worn when dust or fumes are in the air.

Specific Rules And Hazards Associated With This Lab Include:

Restrictions on the operation of equipment

- Only AUTHORIZED PERSONNEL may operate water pump.
- Training is required for *all* equipment.
- While flumes are running, a wet floor caution sign must be placed at entrances to the lab.
- Ensure that electrical cords do not lie in water.

Working alone, in isolation or after hours

- You must have permission to work alone, in isolation or after hours.

Housekeeping/Storage of Materials

- Always keep work areas clean and tidy.
- Put away tools and equipment in their proper place.
- Ensure all tripping and slipping hazards are removed.
- Keep all pathways and means of exit free of obstruction.

This is only a partial list. It is YOUR RESPONSIBILITY to know and follow the rules for the safe operation of this laboratory.

For more information go to www.unbf.ca/eng/civil/safety



Laboratory Safety Information [Hydraulics Lab – A-15A]

Rules Associated with this Laboratory Include:

Equipment
<ul style="list-style-type: none">• Equipment is to be inspected on a regular basis. Inspection logs are to be kept up-to-date.
<ul style="list-style-type: none">• Maintenance is to be conducted on equipment on a regular basis or as needed basis. Defective equipment is to be tagged and removed from circulation. Maintenance logs are to be filled out.
<ul style="list-style-type: none">• Usage logs are to be filled out as equipment is used.
<ul style="list-style-type: none">• You must be trained in safe operating procedures and authorized by the Chief Technician before using any equipment or tools.
<ul style="list-style-type: none">• Appropriate PPE must be worn while using equipment.
<ul style="list-style-type: none">• CSA Approved Safety Footwear must be worn at all times.
<ul style="list-style-type: none">• Other required PPE includes, but is not limited to, safety glasses, face shields, gloves, masks, respirators, and fall-arrest system.
<ul style="list-style-type: none">• Please refer to Standard Operating Procedures for information regarding the safe use of and appropriate PPE for all equipment.
<ul style="list-style-type: none">• Ensure that electrical cords do not lie in water.
Water Pump
<ul style="list-style-type: none">• You must be trained in the safe use of the water pump before operating it.
<ul style="list-style-type: none">• Ensure that wall sockets are properly protected before using the water pump.
Other equipment
<ul style="list-style-type: none">• The high speed camera is to be locked in the back room when not in use. The high speed camera is not to be used when area is dusty.
Means of egress
<ul style="list-style-type: none">• Keep all pathways clear and free of obstruction.
<ul style="list-style-type: none">• Keep the wooden steps against flume when they are not in use.
<ul style="list-style-type: none">• In the event of an emergency, if the main exit is blocked, use the emergency key to escape through A-15B.
Training
<ul style="list-style-type: none">• Training in safety operating procedures is required for all equipment.
<ul style="list-style-type: none">• Training logs are to be kept for all personnel working in the lab.
<ul style="list-style-type: none">• Safety training sessions are to be held in August and September every year for current and new graduate students and teaching assistants. Attendance is mandatory.



Laboratory Safety Information [Hydraulics Lab – A-15A]

Working alone, in isolation or after hours

- You must read and follow the Civil Department policy on working alone or in isolation.
- Work that is dangerous in nature should not be done after hours or when alone.
- You must receive explicit permission to work without supervision outside of normal lab hours
- If permission is granted to work after hours, there must always be two or more students working in the same area. In other words, students must use the “buddy” system.

Research set ups

- All research set ups shall have a “Research in Progress” sign. The sign must include the name and contact information of researcher and the researcher’s supervisor as well as any pertinent information regarding safety.

Samples

- All samples must be clearly marked.
- Markings must identify the project to which they belong and the date on which they were created.

Materials storage and handling

- All WHMIS controlled products must be handled according to WHMIS regulations.
- All waste materials must be stored in the designated area.

Lifting

- Working in this laboratory may require you to move or lift heavy items. Be sure to follow appropriate lifting techniques. Ask for assistance if you need it.

Review

- A review of these safety rules is to be conducted annually.