

NSPF

The **National Swimming Pool Foundation** and the Pool & Hot Tub Council of Canada have an agreement in place that brings valuable training and educational opportunities to employees working in the Canadian pool and spa industry. The NSPF is a not-for-profit organization dedicated to improving public health worldwide by attracting more people to safer aquatic environments.

Note: All NSPF course offerings have been developed in the United States of America. While the majority of fundamental principles covered in the following courses would satisfy the existing requirements in most Canadian jurisdictions, it must be emphasized for those operating in the Canadian market that domestic policies take precedence. Students are encouraged to seek out and study the applicable standards, codes and regulations in force within their region.

In addition to discounted rates on select NSPF publications, Members of the Pool & Hot Tub Council of Canada are eligible for preferred rates on the following NSPF educational offerings:

Pool Operator Primer™ On-line Training: *This engaging interactive program covers the essentials of pool and spa operations, addressing such subjects as disinfection, water chemistry, water circulation and filtration, safety, etc. The course is intended for pool owners, operators, retail staff, maintenance staff, engineers and directors of health departments. Materials available in either Metric (S.I.) units or Imperial (U.S.) units.*

Note: The NSPF® Certified Pool/Spa Operator® (CPO®) Certification program is now available as a blended training program. The Pool Operator Primer™ online training program can be the first step to earning CPO® Certification or, it can be an excellent stand-alone education in the fundamentals of pool maintenance. This online curriculum follows the 18 chapters in the *NSPF® Pool & Spa Operator™ Handbook*, which is included. Students have access to the course for six months which gives them the opportunity to review the material many times. Successful completion of the Pool Operator Primer™ earns a Record of Completion. If you choose to pursue the CPO® Certification, you must enroll in a Pool Operator Fusion™ class within six months of completing the online course. The one-day Pool Operator Fusion™ classroom course is offered by NSPF® Instructors and is the second step to achieve the CPO® Certification. Either this one-day class can be the second day of any two-day classroom certification course, or it can be a stand-alone one-day class. Students must present a Pool Operator Primer™ Record of Completion when attending this course, and successfully complete the Pool Operator Fusion™ class to obtain a CPO® Certification.

Internet Computer Course (includes handbook)

Member: **\$180 CDN + applicable taxes (includes shipping & handling)**

Non-member: **\$360 CDN + applicable taxes (includes shipping & handling)**

PHTCC Educational Credits: **100**



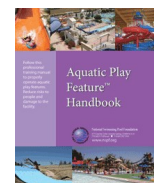
Aquatic Play Feature™ On-line Course: *This course covers the unique proficiencies required to operate and manage aquatic play features/waterparks, including automated control systems, water chemistry, chemical addition, filtration and circulation concerns, etc. This course is intended for operators, service company personnel, management, and health officials who work around aquatic play features.*

Internet Computer Course (includes handbook)

Member: **\$70 CDN + applicable taxes (includes shipping & handling)**

Non-member: **\$140 CDN + applicable taxes (includes shipping & handling)**

PHTCC Educational Credits: **50**



NSPF SHORT COURSES -

The following short courses are available on-line: Basic Respiratory Protection, Behaviour-Based Safety, Bloodborne Pathogens, Chemical Safety, Chlorine Safety, Compressed Gas Safety, Electrical Safety, Fire Safety, Flammable Liquid Safety, Hand and Power Tools Safety, Personal Protective Equipment. Detailed descriptions of each follow below:

Basic Respiratory Protection: *The goal of this course is to ensure users are qualified and properly trained in the use and maintenance of respirators.*

Expected Completion Time: 30 minutes

Requirement References:

- 1910.134 - Respiratory Protection: Personal Protective Equipment

Objectives:

- Identify types of respiratory hazards and possible effects, either acute or chronic.
- Recognize how engineering and administrative controls are applied to minimize or eliminate personnel exposure to respiratory hazards.
- Identify the criteria used to select appropriate respiratory protection.
- Recognize the types and limitations of air purifying respirators.
- Identify advantages and disadvantages associated with using air-purifying respirators.
- Recall the three respirator qualifications, which must be in place before donning a respirator.
- Recognize basic respirator user training requirements.
- List conditions, which could interfere with the seal of a respirator.
- Identify maintenance and storage requirements for respirators.
- Select correct responses to emergency situations a respirator user could encounter while performing work activities

On-line Short Course

Member: **\$20 CDN + applicable taxes**

Non-member: **\$40 CDN + applicable taxes**

PHTCC Educational Credits: **25**

Behaviour-Based Safety: *The student will correctly apply the principles of Hazard Elimination, Personal Contribution, Injury Prevention, and Self-Evaluation when implementing behavior-based safety in the workplace.*

Expected Completion Time: 30 minutes

Requirement References:

- Occupational Safety and Health Act of 1970, Section 8a
- 29 CRS 1926.20 General Safety and Health Provisions
- 29 CRS 1926.21 Safety Training and Education

Objectives:

- Identify the definitions and terms associated with behavior-based safety.
- Recognize how jobsite hazards are eliminated through behavior-based safety efforts.
- Identify how to contribute to the success of a behavior-based safety program.
- Understand how to prevent workplace injuries using a behavior-based safety program.
- Recognize how to perform a behavior-based safety self-evaluation.

On-line Short Course

Member: **\$20 CDN + applicable taxes**

Non-member: **\$40 CDN + applicable taxes**

PHTCC Educational Credits: **25**

Bloodborne Pathogens: *To help employers provide a safe and healthful work environment for their employees and minimize the possibility of employee exposure to bloodborne pathogens.*

Expected Completion Time: 45 minutes

Requirement References:

- 29 CFR 1910.1030 Bloodborne Pathogens
- 29 CFR 1910.1030 App A - Hepatitis B Vaccine Declination (Mandatory)
- 29 CFR 1904.7 - General recording criteria
- 29 CFR 1904.8 - Recording criteria for needlestick and sharps injuries
- CPL 02-02-069 - CPL 2-2.69 - Enforcement Procedures for the Occupational Exposure to Bloodborne Pathogens
- OSHA Fact Sheet 02/01/1993 Most frequently asked questions concerning the bloodborne pathogen standard
- UNAIDS. AIDS Epidemic Update, December, 2003
- Fleming, P.L. et al. HIV Prevalence in the United States, 2000. 9th Conference on Retroviruses and Opportunistic Infections, Seattle, WA, Feb. 24-28, 2002. Abstract 11
- Centers for Disease Control and Prevention (CDC). HIV and AIDS - US, 1981-2001. MMWR 2001; 50:430-434
- Centers for Disease Control and Prevention (CDC). HIV Prevention Strategies Plan Through 2005. January 2001.
- Centers for Disease Control and Prevention (CDC). HIV/AIDS Surveillance Report 2002; 14:1-40.

Objectives:

- Identify the bloodborne pathogens of most concern in the workplace.
- Identify the requirements for an exposure control plan.
- Identify the engineering and work practice controls used to prevent contact with, or infection from, contaminated body fluids.
- Be able to recognize an 'at risk' occupation that would be included in a formal bloodborne Pathogen Program.
- Identify the signs, labels, and color-coding used to warn of biohazards and bloodborne pathogens.
- Identify how bloodborne pathogens are transmitted.
- Identify the requirements for a sharps injury log.
- Identify the basic precautions to prevent exposure, including the definition of Universal Precautions.
- Identify the responsibilities of general employees when they encounter a blood spill.
- Identify the appropriate response in the event of a potential exposure to bloodborne pathogens.

On-line Short Course

Member: **\$20 CDN + applicable taxes**

Non-member: **\$40 CDN + applicable taxes**

PHTCC Educational Credits: **35**

Chemical Safety: *The goal of this course is to provide required awareness training in the occupational hazards common to the handling and use of chemicals, methods and techniques used for evaluating and minimizing chemical exposure, measures employees can take to protect themselves from chemical hazards, safe practices for chemical storage and waste disposal, and the correct response to emergency situations involving chemical spills.*

Expected Completion Time: 30 minutes

Requirement References:

- OSHA Standards, Title 29 CFR, Part 1910 "General Industry", Section 1910.1450, "Occupational Exposures to Hazardous Chemicals in Laboratories", generally referred to as the "Laboratory Standard" and Section 1910, Subpart Z, "Toxic and Hazardous Substances"
- OSHA Standards, Title 29 CFR, Part 1910, Section 1910.1200, Hazard Communication
- OSHA Standards, Title 29 CFR, Part 1910, Section 1910.132, Personal Protective Equipment - General Requirements
- OSHA Standards, Title 29 CFR, Part 1926, Section 64 App A, List of Highly Hazardous Chemicals, Toxics and Reactives

Objectives:

- Identify physical and health hazards common to the handling and use of chemicals.
- Identify methods and techniques used for evaluating and minimizing chemical exposure.
- Identify measures employees can take to protect themselves from chemical hazards.
- Identify safe practices for chemical storage and chemical waste disposal.
- Identify the correct response to emergency situations involving chemical spills.

On-line Short Course

Member: **\$20 CDN + applicable taxes**

Non-member: **\$40 CDN + applicable taxes**

PHTCC Educational Credits: **25**

Chlorine Safety: *The goal of this course is to provide awareness training to help workers recognize the occupational hazards and health effects of chlorine exposure and the exposure controls.*

Expected Completion Time: 30 minutes

Requirement References:

- OSHA Standard, 29 CFR 1910.1000 and Table Z-1: Toxic and Hazardous Substances
- OSHA Standard, 29 CFR 1910.1200, (g)(2)(X): Hazard Communication
- Hazard Materials Subpart H pg 22; subpart Z Vinyl Chloride pg 46 of OSHA Training 29 CFR 1910.1000, Table Z-1
- OSHA 29 CFR 1910 and the Emergency Planning and Community Right-to-Know Act (EPCRA)
- OSHA 29 1910.119, Appendix A
- OSHA 29 1910.1450, Appendix A for Labs
- OSHA 29 1910.261 for Pulp and Paper Mills
- OSHA 29 1926.64, Appendix A for Construction

Objectives:

- Recognize the hazards of chlorine in the workplace.
- Identify the health effects of chlorine exposure.
- Identify exposure controls to protect against chlorine hazards.
- Identify how to respond to a chlorine spill or release

On-line Short Course

Member: **\$20 CDN + applicable taxes**

Non-member: **\$40 CDN + applicable taxes**

PHTCC Educational Credits: **25**

Compressed Gas Safety: *The goal of this course is to make all employees aware of the safety requirements when working with or around Compressed Gas.*

Expected Completion Time: 20 minutes

Requirement References:

- Safe Handling of Compressed Gases in Containers, CGA P-1 1984, Compressed Gas Association, Inc.
- OSHA Standards Interpretation and Compliance Letters 03/15/1900 - The proper handling of compressed gas cylinders particularly with reference to the moving of cylinders from place to place

Objectives:

- Identify the methods for identifying the contents of a compressed gas cylinder.
- Identify the proper methods for transporting and storing compressed gas cylinders.
- Identify the proper methods for installation and use of compressed gases.
- Identify the proper methods for operation of regulators for compressed gas cylinders.

On-line Short Course

Member: **\$20 CDN + applicable taxes**

Non-member: **\$40 CDN + applicable taxes**
PHTCC Educational Credits: **25**

Electrical Safety: *This lesson is designed for employees with a low risk of exposure to electrical hazards. It covers general electrical safety in the workplace including the proper use of portable electrical equipment, such as appliances and tools, extension cords, and Ground Fault Circuit Interrupters (GFCI).*

Expected Completion Time: 30 minutes

Requirement References:

- 29 CFR 1910.330-335 - Electrical Safety
- 29 CFR 1910.332 Training: Electrical - Safety-Related Work Practices
- 29 CFR 1910.333 - Selection and use of work practices: Electrical - Safety-Related Work Practices
- 29 CFR 1910.335 - Safeguards for personnel protection: Electrical - Safety-Related Work Practices

Objectives:

- Potential electrical hazards.
- Proper use of extension cords and GFCI's
- Types of injuries from electric shock and emergency response to electrical injury.

On-line Short Course

Member: **\$20 CDN + applicable taxes**

Non-member: **\$40 CDN + applicable taxes**

PHTCC Educational Credits: **25**

Fire Safety: *The goal of this course is to reduce the financial and personnel costs of fires.*

Expected Completion Time: 30 minutes

Requirement References:

- 1910.157 Portable Fire Extinguishers
- 1910.38 Employee Emergency Plans and Fire Prevention Plans
- Fact Sheet No. OSHA 93-41 "WORKPLACE FIRE SAFETY"

Objectives:

- Correctly identify fire prevention measures.
- Correctly identify the proper use of a portable fire extinguisher.
- Identify the correct response to a fire alarm.
- Correctly identify when and how to fight a fire.

On-line Short Course

Member: **\$20 CDN + applicable taxes**

Non-member: **\$40 CDN + applicable taxes**

PHTCC Educational Credits: **25**

Flammable Liquid Safety: *The goal of this course is to provide awareness training to help workers correctly apply the principles of hazard recognition, safety, flashpoint protection, and inventory inspections in the use of flammable and combustible liquids in the workplace.*

Expected Completion Time: 30 minutes

Requirement References:

- 29 CFR 1910.106 Flammable and Combustible Liquids

Objectives:

- Identify the definitions and terms associated with flammable and combustible liquids used in the workplace.

- Recognize hazards inherent with work involving flammable and combustible liquids.
- Identify the safety requirements for the use of flammable and combustible liquids on the job.
- Recognize the storage requirements for flammable and combustible liquids at a work facility.
- Identify the principles of flashpoint protection when working with flammable and combustible liquids.
- Identify the steps for inspecting inventories of flammable and combustible liquids in the workplace.

On-line Short Course

Member: **\$20 CDN + applicable taxes**

Non-member: **\$40 CDN + applicable taxes**

PHTCC Educational Credits: **25**

Hand and Power Tools Safety: *Each employee using hand and power tools will recognize definitions and types of portable tools, the potential hazards connected with their use, including manual, electric, pneumatic, hydraulic, liquid-fueled, powder-actuated, and abrasive wheel tools, and will demonstrate the proper procedures required for each type of tool.*

Expected Completion Time: 30 minutes

Requirement References:

- 29 CFR 1910 Subpart P, 1910.241, 1910.242, 1910.243, 1910.244

Objectives:

- Identify general hazards associated with hand and power tool use, and the safety practices that will prevent these hazards.
- Identify appropriate safety practices for electrical equipment.
- Recognize safety requirements for operator controls and guards.
- Identify appropriate safety practices for hand (manually-powered) tools.
- Identify safety requirements for using portable abrasive wheel tools.
- Identify appropriate safety practices for hydraulic and pneumatic tools.
- Identify proper use of liquid-fueled and powder-actuated tools.
- Recognize when tools must be inspected, and what actions to take if damage is found.

On-line Short Course

Member: **\$20 CDN + applicable taxes**

Non-member: **\$40 CDN + applicable taxes**

PHTCC Educational Credits: **25**

Personal Protective Equipment: *Students will be able to protect themselves from illness or injury by the appropriate use of personal protective equipment.*

Expected Completion Time: 30 minutes

Requirement References:

- OSHA Standard, Part 29 CFR, Section 1910.132 Personal Protective Equipment - General Requirements
- OSHA Standard, Part 29 CFR, Section 1910.133 Eye & Face Protection
- OSHA Standard, Part 29 CFR, Section 1910.134 Respiratory Protection (and Appendices)
- OSHA Standard, Part 29 CFR, Section 1910.135 Head Protection
- OSHA Standard, Part 29 CFR, Section 1910.136 Foot Protection
- OSHA Standard, Part 29 CFR, Section 1910.137 Electrical Protective Devices
- OSHA Standard, Part 29 CFR, Section 1910.138 Hand Protection
- OSHA Standard, Part 29 CFR, Section 1910.139 Respiratory Protection for M Tuberculosis
- OSHA Standard, Part 29 CFR, Section 1910.1030 Bloodborne Pathogens Standard
- NIOSH

Objectives:

- Recognize the purpose of personal protective equipment.

- Identify the proper personal protective equipment required to perform a particular job.
- Recognize the training required before using PPE, including the limitations of the PPE.
- Identify the requirements for inspecting, maintaining, and disposing of personal protective equipment

On-line Short Course

Member: **\$20 CDN + applicable taxes**

Non-member: **\$40 CDN + applicable taxes**

PHTCC Educational Credits: **25**

Registration Form

Name: _____ Affiliation _____

PHTCC Membership Number: _____

Courses	Member Rate (CDN)	Non-Member Rate (CDN)	Fee
Pool Operator Primer Training (English Metric version)	180.00	360.00	
Pool Operator Primer Training (English Imperial version)	180.00	360.00	
Aquatic Play Feature Course	70.00	140.00	
Basic Respiratory Protection	20.00	40.00	
Behaviour-Based Safety	20.00	40.00	
Bloodborne Pathogens	20.00	40.00	
Chemical Safety	20.00	40.00	
Chlorine Safety	20.00	40.00	
Compressed Gas Safety	20.00	40.00	
Electrical Safety	20.00	40.00	
Fire Safety	20.00	40.00	
Flammable Liquid Safety	20.00	40.00	
Hand and Power Tools Safety	20.00	40.00	
Personal Protective Equipment	20.00	40.00	
Subtotal			
Applicable Taxes			
Total:			

Registration Total: \$ _____ CDN (Note: Course and material fees are not refundable)

Cheque Enclosed _____ Credit Card: Visa _____ Mastercard _____ AMEX _____

Card # : _____

Name on Card: _____

Signature: _____

Date: _____

Kindly submit your registration form with payment to the Pool & Hot Tub Council of Canada:

Fax: 905-458-7037 Mail: 5 MacDougall Dr., Brampton, ON L6S 3P3