



**Recreation Facility Association  
of Nova Scotia**



*Supporting you – from the ground up*

Recreation Facility Association of Nova Scotia (RFANS) in partnership with the Ontario Recreation Facilities Association (ORFA)

## Basic Arena Refrigeration Course

Monday, April 8th to Thursday, April 11th, 2019

8:30 am to 4:30 pm

Pictou County Wellness Centre

2756 Westville Road

New Glasgow, Nova Scotia

### Course Instructor:

### Hotel: Comfort Inn

740 Westville Rd, New Glasgow

Rate: \$125.00 +HST

Quote: **Recreation Facility Association**

Cut off date for rate: March 7, 2019

\_\_\_\_\_  
Name

\_\_\_\_\_  
Facility

\_\_\_\_\_  
Address

\_\_\_\_\_  
City Province PC

\_\_\_\_\_  
Phone

\_\_\_\_\_  
Fax

\_\_\_\_\_  
Email

### Registration Fee

- \$850.00+ tax\* RFA NS Member
- \$1,000.00 + tax\* Not a Member

\*Tax at 15%

### Registration Fee

- Is enclosed.
- Please Invoice me: PO # \_\_\_\_\_
- Visa/MC

Card # \_\_\_\_\_ Exp: \_\_\_\_\_

Name on Card: \_\_\_\_\_

Signature: \_\_\_\_\_

### To register return form to:

**Recreation Facility Association of Nova Scotia**

Mail: 5516 Spring Garden Road, 4th Floor

Halifax, NS B3J 1G6

Fax: 902-425-5606

Email: rfans@sportnovascotia.ca

### Course Partner



**For More Information:** Please contact the RFANS at (902) 425-5450 x 330 or email: rfans@sportnovascotia.ca

# Basic Arena Refrigeration Course Information

The ORFA Basic Arena Refrigeration course is considered the minimum industry-recognized standard for ice arena facility personnel. The Occupational Health and Safety Act demands that those who conduct work in these environments be “competent” while the Operating Engineers Regulation requires that all who have “privilege to enter a registered refrigeration plant room” be qualified. Such qualification and competency begins with a strong foundation of all regulatory obligations to be met followed by an introduction to the principles and fundamentals of the theory of refrigeration and concluding with a risk and hazard assessment overview of a typical refrigeration plant room. Once the legislative requirements and theoretical overview is complete participants will move on to understand that the refrigeration process operates on scientific principles that are applied to practical mechanical processes. Students will be introduced to the different types of ice arena refrigeration plant designs and key pieces of equipment required to safely transfer heat plus the role of safety devices during this transfer. In addition, participants will be able to identify the types and the amounts, as well as the storage and disposal of refrigerants and lubricants.

Emphasis is placed on the need for worker safety which depends on the proper use of personal protective equipment from all noxious gases and/or refrigerants stored on site. Operator and public safety further relies on the operator’s ability to monitor plant conditions, liquid levels, pressures and temperatures and take appropriate action under the circumstance. Hazards of electricity, temperature and pressures are introduced so that plant monitors can recognize the importance of plant piping markings so not to touch these delivery mechanisms, not to place hands or feet near pumps or motors or make unqualified plant adjustments. Monitors must understand the need to conduct regular plant checks and the importance of recording these activities in the official plant log. Course participants will gain an appreciation for the proper use of plant room ventilation and the role of the refrigeration safety devices and alarm systems. Once this knowledge has been obtained, participants will clearly understand the importance of their role during plant room emergencies and the need to embrace and practice evacuation plans for both worker and general public safety.

While not mandatory, participants are encouraged to gain some knowledge of a working ice arena refrigeration plant prior to attendance. It is strongly recommended that prior to attending this course participants visit the ORFA Resource Centre and review materials found in the Refrigeration Plant Operations section <http://www.orfa.com/Refrigeration-Plant-Operations>. Access to this link will be provided once course registration has been confirmed. Of further benefit would be a guided tour of a refrigeration plant room under the leadership of a competent plant operator for an orientation of the refrigeration plant room and review of the plant operational and training manual.

Topics include:

- Module One: Refrigeration Theoretical and Practical Factors
- Module Two: Refrigeration Codes, Regulations and Acts
- Module Three: Ice Rink Refrigeration Equipment, Controls and Safety Devices
- Module Four: Ice Rink Refrigeration Plant Safe Operations and Maintenance
- Module Five: Refrigeration Emerging Technologies and Energy Management
- Module Six: Review of Key Learning Objectives

Workplace-Specific Training: A reminder is given to facility supervisory staff that to complete the educational process successful participants must return to work and be provided with specific workplace-specific training.

