



**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)

## Ice Making and Painting Technologies

Tuesday, September 15th to Friday, September 18th, 2020

8:30 am to 4:30 pm

Pictou County Wellness Centre

2756 Westville Road

New Glasgow, NS

**Course Instructor:**

**Hotel:** Travelodge Suites

700 Westville Rd, New Glasgow

Rate: \$123 +HST

Quote: **Recreation Facility Association**

Cut off date for rate: August 24th, 2020

\_\_\_\_\_  
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

**For More Information:** Please contact the RFANS at (902) 425-5450 x 330 or

# Ice Making and Painting Technologies

Prerequisites: Participants are encouraged to complete the Basic Arena Refrigeration course or the Advanced Refrigeration Facility Operator course and have one year, hands-on, artificial ice experience, but it is not necessary. It is further recommended that prior to attending this course, participants visit ORFA's Resource Centre and review materials found in the Arena Ice Operations section <http://www.orfa.com/Ice-Arena-Operations> applicable to the topic of ice making.

Doug Moore, the world's first recognized professional "Ice Technician" was the late founder of Jet Ice Ltd. and also the Chief Engineer at Maple Leaf Gardens in Toronto for 30 years. He was a hands-on practitioner that understood the specific day-to-day needs of facility operators. Doug's contributions set the foundation that has helped give the industry the look and quality of ice that is enjoyed today by athletes in the sports of hockey, curling and figure skating. Doug was an innovator of the arena industry, specializing in ice making technology, speed-painting procedures and openly shared his passion, vast skills and knowledge in this science willingly with facility owners, managers and operators throughout North America. Following in Doug's commitment is current Jet Ice Vice President, Dave Loverock. Dave, mentored by Doug, continued in the tradition set by the Jet Ice founder by focusing on the same hands-on, frontline proven principles with an eager openness to explore innovation and change. Today, these revolutionary ice making concepts and theories have been implemented in a wide range of community and professional facilities and are considered best practice throughout the ice industry.

Beginning in the 1990s, Doug Moore partnered with the ORFA as the first IMPT instructor in bringing his expertise in a more formal professional development setting. Upon Doug's passing his family intrusted the ORFA to keep his legacy alive by sharing his course materials, notes and pictures for future generations of ice-makers. Together, the ORFA and Jet Ice created and continue to provide the recognized industry leading standard for professional development in ice-making principles and application techniques for all ice technicians. It is important to note that litigation involving ice condition will almost always use the ORFA Ice Making and Painting Technologies course materials as the proven acceptable industry standard to be met. Knowing and applying these established principles is essential to reducing ice arena risk of liability.

Creating a durable sheet of ice requires a clear understanding of the ice making venue and its mechanical ability and limitations. This environment will include basic yet essential scientific principles surrounding air, water, ice paint, logo materials and HVAC-R systems. Building on the theory gained in the refrigeration classes, this course will enhance the participants' knowledge, while increasing their operational effectiveness through a clear understanding of proven ice installation principles and techniques. Further, participants will learn basic standard facility operation practices and have practical demonstrations with limited hands-on exposure to various proven on-ice application techniques. Risks and hazards associated with ice making are also reviewed so that participants are aware of the hidden dangers associated with this task.

Topics include:

- Module 1 – A History of Ice
- Module 2 – Facility Preparations
- Module 3 – The Ice Bowl
- Module 4 – Making New Ice
- Module 5 – Painting Ice White
- Module 6 – Ice Sport Markings
- Module 7 – Ice Rink Energy Reduction



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 workplace-specific training.

Participants attending this course are required to supply and wear their own CSA approved head protection, layered clothing, and appropriate footwear suitable for an ice arena environment. No exceptions.