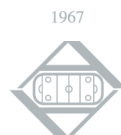




Keeping Ontario's Refrigerated Ice Rinks Safe

AMO Annual Conference

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Welcome - Presenters



- Terry Piche, ORFA

Director Training, Research and Development

Part 1

- Who is the ORFA
- Brief history of Ontario's ice sheets
- Current pressure points impacting Ontario's ice sheet inventory

Part 3

Self-directed solutions

- Glen Lang, TSSA

Chief Officer (OE)

Part 2

- Role of the Technical Standards and Safety Authority (TSSA)
- Regulated responsibilities of ice surface industrial refrigeration
- OE Advisory

Brief History of Ontario Ice Sheets



- The Wintario glory years of funding and development – Wintario turns 50 in 2025
- Living on the assumption of economic spin off from recreation
- Over building and underachieving – the chronic habit of constructing and under planning for the operation and management of recreational assets
- Learning as they go...has to stop

Current Pressure Points



- The price of user fees – but it's for the kids!
- The non-users unknowing contribution to others recreational experience
- The current state of unfunded recreation facility liability – aging assets
- Mass loss of a skilled recreational labour pool post pandemic
- An increase in regulated compliance expectation
- A blind reliance on refrigeration service contractors to keep the operation safe and compliant
- Defining who is actually in charge of an unattended registered ice sheet refrigeration plant

The Changing Ice Sheet Refrigeration Landscape



- Installation of self-contained refrigeration packages without any focus on operator qualifications
- Expansion of new refrigerants and equipment
- Installation of sophisticated heating, ventilation, air-conditioning and dehumidification systems without investing in operator training to maximize efficiencies

Minimum Ice Sheet Industrial Refrigeration Regulatory Compliance



Ice Sheet facility management must have a strong working knowledge of the following:

- Health and Safety – MLITSD
 - Refrigerant Release – MOECP
 - Emergency Management – OFM
 - Operating Engineers Regulation – TSSA
 - Boiler and Pressure Vessel Regulation - TSSA
- No change in any Regulation – just more clarification of the roles of all partners, owners and operators
 - Welcome Glen Lang, TSSA, Chief Officer, Operating Engineers

Glen's Presentation



Owner Directed Compliance



- TSSA and other governing agencies allow each “unattended” industrial refrigeration plant owner to set their own level of regulation compliance
- However, there are some reasonable benchmarks to be used to assist both plant owners and TSSA inspectors to evaluate the level of risk – industry best practices
- Review and understand the TSSA Advisory

Recreation Industrial Refrigeration Training and Qualification Pathway



- For more than 75-years ORFA has provided a variety of refrigeration professional development and training opportunities to assist in meeting safe, efficient and compliant operations
- Basic Arena Refrigeration
- Advanced Refrigeration Facility Operator
- Recreation Facility Environmental Services Management
- Legal Awareness I - Supervising in a Recreation Environment
- Certified Arena Refrigeration Plant Technician (CARPT) Professional Designation

Access to ORFA Resources



- ORFA is a membership driven organization that restricts access to resources and related tools
- However, due to the identified aging ice sheet inventory risk, ORFA has opened key refrigeration resources and information to non-members
- ORFA resources allow all industrial refrigeration stakeholders to design internal compliance plans

Simple Solution...



- Redesign existing job descriptions to require candidates to have and maintain appropriate recreation industrial refrigeration training and qualifications at the time of hiring
- Candidates hired without proof of competency require owner direction and support to ensure safe, efficient and compliant recreation industrial refrigeration operation and management

Conclusion



- Questions
- Visit www.orfa.com
- Contact the ORFA at info@orfa.com or call 416-426-7062
- Thank you