

COVID-19 Emergency Ice Rink Shut-down

Maintenance Checklist

MMC has worked with leading ice rink experts to develop this checklist. The intent is to help municipalities through these challenging times by making the best use of maintenance opportunities, while always putting safety first.

Safety first!

Make sure the plant is shut down safely:

- Isolate the compressors, and make sure pressure is removed from them to prevent seal leaks.
- Check the balance tanks on a regular basis to ensure that the chiller stays filled.
- Keep the gas leak detectors on and have the plant room checked daily.

If the plant is off for an extended period, it is a good idea to come in and run the pumps once a week for an hour or so to keep the seals in good shape.

Maintenance

With the rinks shut down for a few weeks, it is a good time to do some maintenance that can't be done while the plants are running.

Clean

- Clean and prime/paint rusted surfaces.
- Clean up the plantroom floor and repaint.
- Clean your snow melt pit.
- Air out and clean out header trenches.
- Have the condensers and spray nozzles cleaned by a trained professional.

Check

- Check the condition of your headers.
- Check the level of your expansion tank daily (if the level is decreasing it indicates a leak).
- Check for piping to ensure that there is no corrosion, especially in the liquid lines entering the bottom of Ammonia chillers (if there is corrosion have this evaluated by your service provider).

Maintain

- Check the condition of insulation in the plant room, and alert service provider if in disrepair.
- Have your service provider evaluate if insulation on your cold glycol/brine pumps need to be replaced.
- Review brine analysis report and complete recommended corrections.
- Have a trained professional change the compressor oil.
- Consult your service provider whether an overhaul on the compressors is required.

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Disclaimer: this is a suggested checklist for your consideration only. Before proceeding with any of these items, please confirm with your ice rink refrigeration related equipment maintenance provider to determine the applicability of these to your specific ice rink facility.