

**ICE RINK MAINTENANCE ROUNDTABLE  
MARCH 9, 2016  
UNIVERSITY OF NORTHWESTERN  
MPSTMA SPRING WORKSHOP**

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**City of Burnsville  
Hockey Rink Maintenance**

1. Number of rinks: **We have 16 full size hockey rinks spread between 12 sites. One small neighborhood rink.**
2. Types/sizes (paved, asphalt, ag lime, grass, temporary, other): **3 paved and 13 grass. The neighborhood rink is on the infield of a baseball field.**
3. Number of personnel to maintain: **We send 7 employees out daily to maintain the rinks.**
4. Start/end date (typically): **Second week of December to the last week of February.**
5. Flooding type (hose, tanker, other): **Two 2000 gallon tanker trucks.**
6. Ice maintenance equipment (pictures/ video if possible): **Four Toro 3280-D's (2 brooms, 2 snow blowers), Case tractor with 8' broom, two John Deere tractors for shaving/heavy snow removal.**
7. Time to complete process (daily maintenance practices): **Depending on conditions 4-6 hours**
8. Split shift / OT: **During ice building, we have two employees start their shift at 2:00pm. They are authorized to work up to 10 hours each shift. Once the rinks open, we work our winter schedule which is 6:00am-2:30pm. There is only OT used if we get 2"+ of snow at the end of the day on a day that there is broomball league scheduled. In that case they will only clear the two rinks that have broomball.**
9. Pre-season preparations: **Crews will perform rink board and end fence maintenance (replacing rotten boards, painting, replacing fence ties). They will also remove the chain link fence gates from the rink openings and haul out the gate boards. The warming houses will also be cleaned and the rink lights checked for proper operation.**

10. Lining / painting: **The two broomball rinks will be painted with a full complement of lines.**
11. Warming house hours: **4-9pm m-f, 10am-9pm sat, 1-9pm sun; School holidays 10am-9pm.**
12. Special equipment: **The two John Deere tractors are equipped with special attachments. There is a packer unit which will be used if we get snowfall before we start to make ice. These units pack down the snow which helps drive the frost into the ground as well as gives a good base to build ice on. We also have a shaver unit that we bolt Zamboni blades onto and will shave the rinks once a week.**
13. Snow event cleanup: **Depending on the amount of snow, we will send two tractors out with 7' rear mounted snow blowers to clear the majority of snow from the rinks. Then the regular maintenance crew will go out with the broom/snow blower combination and clear the rinks the rest of the way.**
14. Edging: **This is pretty much left up to the crew as to when it gets done. Some will do it every time the rinks are shaved, others will only do it when it becomes difficult to shovel along the boards.**
15. Zamboni : **Two shaver frames with Zamboni blades that were made in-house.**
16. Goals : **Both hockey and broomball nets are made in-house.**
17. Gate boards / board holders: **Each rink has one board per gate opening. These are help on the outside of the rinks in metal brackets.**
18. What determines your start of flooding (temp, frost, other): **Primarily frost depth and current weather trend with a goal of the second week in December to open.**
19. Rink off season use: **The paved rinks will get used for roller hockey by some people. We leave nets out on those. The grass rinks will get chain link fence gates put across the openings and is used by people for dog exercising.**

# SHAVER ATTACHMENT



# SNOW BLOWERS



Toro Blower



# BROOMS

Toro with broom



# EDGER



# 2000 GALLON WATER TRUCK



# SNOW PACKERS

