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| **DEPARTMENT OF HEALTH SERVICES**  Division of Public Health  F-01573 (06/2015) | **STATE OF WISCONSIN**  Bureau of Environmental and Occupational Health  DHS.WISCONSIN.GOV  Page 1 of 2 |
| **LOG OF ICE ARENA AIR QUALITY** | |
| Pollution levels can fluctuate, so a one-hour time-weighted average is used to assess whether or not contaminant levels are too high. To calculate a time-weighted average, stand inside the rink on the centerline. Hold the monitor at board height and follow these three simple steps: | |



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| Record the air quality measurement every five minutes for an hour, starting at zero minutes and ending at 60 minutes. | |  | Add together the 13  measurements taken.  Divide this number by 13 (the total number of measurements taken). | |  | | This number is your time-weighted average. Ensure the levels do not require action (see below). |
| **Recommended Frequency of Air Quality Tests**  If the rink uses . . .   * Gas powered resurfacer: at least twice every 7 days (do one test on the weekend and one test on the next busiest day) * Gas powered edger: at least once every 7 days * Other gas powered equipment: If open for business, test every 15 minutes while equipment is in use; if not open, test prior to opening the next day | | | | | | | | | |
| **When to Take Action** | | | | | | | | | |
| **Corrective Action** | | 25 ppm for **CO**  0.30 ppm for NO2 | | | **Immediately**  **Evacuate** | | 125 ppm for **CO**  2.00 ppm for NO2 | | |
| *Immediately increase ventilation and stop the*  *use of gas-powered equipment.* | | | | | *Remove all people from the facility and into fresh air immediately.* | | | | |

Log on page 2

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| **F-01573 (06/2015) Log of Ice Arena Air Quality** | **Page 2 of 2** |

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| **Date** | **Time**  **AM / PM** | **Number of Previous Resurfaces Today** | **Carbon Monoxide Level** | **Nitrogen Dioxide**  **Level** | **Comments** | **Print Name of Person Conducting Test** |
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