Indoor Ice Arena Exceedance Report Form

When carbon monoxide (CO) level exceed 20 parts per million (ppm) or nitrogen dioxide (NO₂) levels exceed 0.3 ppm in an arena building that is open to the public, immediate corrective action must be taken. Follow-up testing is required and a report must be submitted to MDH within five (5) business days of the initial corrective action.

Facility and Arena Name: __________________________________________

Address: _______________________________________________________

Arena Manager Signature: _________________________________________

Exceedance Information

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th># of Resurfaces Today</th>
<th># of Edger Uses Today</th>
<th>CO Reading</th>
<th>NO₂ Reading</th>
<th>Printed Name</th>
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Corrective Action and Testing (Required)

- If test shows CO > 83 ppm and NO₂ > 2.0 ppm:
  - Increase ventilation and suspend use of combustion powered equipment.
  - Retest the air after 5 minutes.
    - If CO > 83 ppm or NO₂ > 2.0 ppm, evacuate the arena.
    - If CO is 21 – 83 ppm or NO₂ is 0.4 – 2.0 ppm, proceed with the steps below.

- If test(s) show CO is 21 – 83 ppm or NO₂ is 0.4 – 2.0 ppm:
  - Increase ventilation and suspend the use of combustion powered equipment.
  - Test every 20 minutes until acceptable air quality is reached.
    - If CO levels are continuously higher than 40 ppm or NO₂ levels are continuously above 0.6 ppm for an hour, evacuate the arena.
    - If CO levels are continuously above 20 ppm or NO₂ levels are continuously above 0.3 ppm for two hours, evacuate the arena.

- Once Acceptable air quality is reached (CO ≤ 20 ppm and NO₂ ≤ 0.3 ppm), proceed with the follow up testing on the back page.
Follow-up Testing (Required)

1. Test every 20 minutes until measurements show levels at or below 20 ppm CO and 0.3 ppm NO₂.
2. After step 1, test 20 minutes after each of the next 5 uses of ice maintenance equipment.
3. Test at least once per day for the 3 days following the exceedance. (This can include the tests in step #2.)

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
<th>Equipment Used (Resurfacer, Edger)</th>
<th>CO Reading (ppm)</th>
<th>NO₂ Reading (ppm)</th>
<th>Printed Name</th>
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Report (Required)

The owner/operator of the arena must submit a report to MDH within 5 business days that includes the information below. **PLEASE ATTACH REPORT TO THIS FORM.**

1. Why corrective action was taken in the arena.
2. Describe what corrective action was taken to reduce CO and/or NO₂ levels in the arena.
   (ex. Increased ventilation rate, suspended the use of combustion engines)
3. A record of all air quality tests associated with the exceedance.
4. An action plan to prevent the reoccurrence.