

# Village of Evendale Indoor Ice Arena

## Exceedance Report Form

When carbon monoxide (CO) levels exceed 20 ppm or nitrogen dioxide (NO<sub>2</sub>) 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 the Evendale Fire Department within five (5) business days of the initial corrective action.

Facility and Arena Name: \_\_\_\_\_

Address: \_\_\_\_\_

Arena Manager Signature: \_\_\_\_\_

### Exceedance Information

Date	Time	# of Resurfaces Today	# of Edger Uses Today	CO Reading	NO2 Reading	Printed Name

### Corrective Action and Testing (Required)

If original test shows CO > 83 ppm or NO<sub>2</sub> > 2.0 ppm:

- Increase ventilation and suspend use of combustion powered equipment.
- Retest the air in 5 minutes.
  - If readings still show CO > 83 ppm or NO<sub>2</sub> > 2.0 ppm, evacuate the arena.
  - CO levels 21-83 ppm or NO<sub>2</sub> levels 0.4-2.0 ppm, proceed with the steps below.

If air reading shows CO levels 21-83 ppm or NO<sub>2</sub> levels 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 NO<sub>2</sub> levels are continuously above 0.6 ppm for an hour, evacuate the arena.
  - If CO levels are continuously above 20 ppm or NO<sub>2</sub> levels are continuously above 0.3 ppm for two hours, evacuate the arena.

Once acceptable air quality is reached (CO < 20 ppm and NO<sub>2</sub> < 0.3 ppm), proceed with the follow-up testing on the back page.

# INDOOR ICE ARENA EXCEEDANCE REPORT FORM

## Follow-up Testing (Required)

1. Test every 20 minutes until measurements show levels at or below 30 ppm CO and 0.3 ppm NO<sub>2</sub>.
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)

Date	Time	Equipment Used (Resurfacer, Edger)	CO Reading (ppm)	NO2 Reading (ppm)	Printed Name

## Report (Required)

The owner/operator of the arena must submit a report to the Evendale Fire Department 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 NO<sub>2</sub> levels in the arena. (ex. increased ventilation rate, suspended the use of the combustion engines)
3. A record of all air quality tests associated with the exceedance.
4. An action plan to prevent reoccurrence.

Evendale Fire Department  
10500 Reading Road  
Evendale, Ohio 45241  
513-563-2248