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| Minnesota Pollution Control Agency (MPCA), 520 Lafayette Road North, St. Paul, MN 55155-4194 | MGCR-02  Part 70 Manufacturing General Permit  hood evaluation and certification  Air Quality Permit Program  *Doc Type: Permit Application* |

**Refer to the *Handbook and application instructions* for the Part 70 Manufacturing General Permit for form instructions.**

## **Facility information**

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| **a)** AQ Facility ID number: | | | |  | | | | | **b)** Agency Interest ID number: | | | | | | | |  | | | | |
| **c)** Facility name: | |  | | | | | | | | | | | | | | | | | | | |
| 1. Date the hood was certified (mm/dd/yyyy): | | | | | | |  | | | | | | | | | | | | | | |
| **2)** Emission Unit (EQUI) number(s): | | | | |  | |  |  | |  |  | | |  |  |  | |  |  |  |
| **3)** Emission Unit characteristics: | | | | | | | | | | | | | | | | | | | | | |
| **4)** Pollutant(s) emitted: | | |  | | | | | | | | |  |  | | | | | | | | |
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| **5)** Is there a recommended hood design for this application in the *Industrial ventilation manual* referenced in the instructions?  Yes, go to question 6.  No, go to question 18. | | | | | | | | | | | | | | | | | | | | | |
| **6)** Edition of the Manual referenced: | | | | | |  | | | | | | | | | | | | | | | |
| **7)** Page No(s): |  | | | | | | | | | | | | | | | | | | | | |

**8)** Attach a separate page with a drawing of recommended and actual hood dimensions; indicate if the recommended dimensions are minimum or maximum or constrained in some other way.

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|  | **Recommended** | | **Actual** | |
|  |  | **units** |  | **units** |
| **9)** Capture velocity |  |  |  |  |
| **10)** Hood air flow |  |  |  |  |
|  | min  max |  |  |  |
| **11)** Hood face velocity |  |  |  |  |
| **12)** Slot velocity |  |  |  |  |
| **13)** Plenum velocity |  |  |  |  |
|  | min  max |  |  |  |
| **14)** Duct velocity |  |  |  |  |
|  | min  max |  |  |  |
| **15)** Fan rotation speed |  | |  |  |
| **16)** Fan power draw |  |  |

**17)** Attach a separate page showing the capture velocity test plan on a drawing or a sketch.

**18)** If the hood design does not conform to the recommendations of the Manual, or if there is no recommended design for this application, describe your plans to determine the hood capture efficiency below:

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## **Hood** **certification**

This certification must be signed by a responsible official and submitted with any application for which the applicant wants to claim a capture efficiency for pollutant-collecting hoods as described in the instructions for the MG-05A forms by having the design of the hood evaluated by qualified personnel. **The permitted capture efficiency for certified hoods is 80%.**

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| **Emission Unit (EQUI) ID number(s)** | | | **Control equipment (TREA) ID number(s)** | | | | **Hood capture efficiency** | | **Pollutant(s) controlled** | | |
|  |  |  |  |  |  |  | 80% |  |  |  |  |
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I certify under penalty of law that the aforementioned hood(s) has (have) been evaluated under my direction or supervision by qualified personnel and that, to the best of my knowledge and belief, the (each) hood conforms to the design and operating practices recommended in "Industrial Ventilation - A Manual of Recommended Practices, American Conference of Governmental Industrial Hygienists," current edition.

**Authorized representative**

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| --- | --- | --- | --- | --- |
| Print name: |  | Title: |  | |
| Signature: |  | Date (mm/dd/yyyy): | |  |