



**Minnesota Pollution
Control Agency**

520 Lafayette Road North
St. Paul, MN 55155-4194

CAP-GI-05B

Emission Unit Information

Air Quality Permit Program

Doc Type: Permit Application

Instructions on Page 3

1a) AQ Facility ID No.: _____ **1b)** AQ File No.: _____

2) Facility Name: _____

| 3a) Emis Unit ID No. | 3b) SV ID No(s). | 3c) Relation Type | 3d) Control Equip ID No. | 3e) Emission Unit Operator's Description | 3f) Manufacturer | 3g) Model No. |
|-------------------------------|------------------------|-------------------------|-----------------------------------|---|-------------------------|----------------------|
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Instructions for Form CAP-GI-05B

If you have previously received an air emissions permit from the Minnesota Pollution Control Agency (MPCA) or have filed an annual emissions inventory, contact the MPCA at 651-297-2274 or 1-800- 646-6247 prior to filling out this form. The MPCA can provide you with a printout of the most recent information entered in the permitting and inventory database. Start with (and edit) this information when filling out the Capped application form.

Use this form to describe emission units other than liquid storage tanks and fugitive emission sources. Separate forms are provided for liquid storage tanks (CAP-GI-05C) and for fugitive emission sources (CAP-GI-05D).

1a) AQ Facility ID No. -- Fill in your Air Quality (AQ) Facility identification (ID) Number (No.). This is the first eight digits of the permit number for all new permits issued under the operating permit program. If you don't know this number, leave this line blank.

1b) AQ File No. -- Fill in your AQ File Number. This is the first group of characters in an Air Emission Facility Permit which was issued before October 1993. For example, for permit number 1899AB-93-OT-1, the AQ Facility ID number would be 1899AB. This number can also be found in the "cc" line of correspondence from the MPCA.

2) Facility name -- Enter the facility name.

3a) Emission unit ID no. -- This is an ID number you assign to each emission unit using a simple 001, 002, 003,... numbering system. Note that separate forms are provided for tanks and fugitive emission sources.

If you are adding new emission units to your permit or replacing existing emission units, it is important not to reuse previously used EU numbers. The new or replacement emission units must be numbered consecutively beginning with the next number after the last one used. Numbers used for removed emission units cannot be reused for new or replacement emission units.

3b) SV ID no(s). -- Provide the ID numbers of the stacks and vents (SV) associated with each emission unit. These must be the same ID numbers as on Form CAP-GI-04. It is important to use these ID numbers consistently throughout the application.

3c) Relation type -- Identify the type of stack or vent as follows:

- M Main, meaning this is the primary stack or vent through which emissions are vented in normal operation;
- P Parallel, meaning this is another stack or vent through which emissions are vented in normal operation. For operations where emissions normally pass through two or more stacks or vents, the first stack/vent would be the main one and any others would be parallel;
- B Bypass, meaning the stack or vent serves as a bypass to the usual stack or vent in some circumstances; and
- O Other for all other situations. Attach a written description.

3d) Control equipment ID no. -- Provide the ID number of each air pollution control device associated with each emission unit. This ID number must be the same as provided on Form CAP-GI-05A.

3e) Emission Unit Operator's Description -- Provide a description sufficient to identify this emission unit at the facility, for example, "North Boiler", "Heatset Web Press."

3f) Manufacturer -- For packaged and pre-assembled equipment, and for equipment completely designed by a single company and field-assembled, provide the name of the manufacturer or designer. For equipment designed and manufactured by the contractor or owner, indicate this.

3g) Model no. -- For equipment which has a model number, provide the model number.

3h) Maximum design capacity -- Provide the maximum production capacity of each emission unit; for example, for a boiler, the maximum steam generation rate; for a crusher, the maximum crushing rate; for a paint spray booth, the maximum spraying rate.

3i) Maximum design capacity units -- Provide the material and units of measure for the number provided for capacity, such as "pounds of steam per hour" or "tons crushed per hour." Enter the material ("steam", "energy", etc), numerator and denominator in the separate columns provided.

For the material, choose from the following list:

| Table entry | Detail |
|--------------|------------------|
| A/D Pulp | Air Dried Pulp |
| Ash | Ash |
| Bentonite | Bentonite |
| Board | Board |
| Carbon | Carbon |
| Chlor Dioxid | Chlorine Dioxide |
| Coating | Coating |

| Table entry | Detail |
|--------------|---------------------------------------|
| Acid | Acid |
| Asphalt | Asphalt |
| Blk Liq Slds | Black Liquor Solids (Kraft Pulp Mill) |
| Can | Can |
| Casting | Casting |
| Clothes | Clothes |
| Coke | Coke |

| Table entry | Detail |
|--------------|-----------------|
| Corn | Corn |
| Diesel Fuel | Diesel Fuel |
| Ethanol | Ethanol |
| Fuel | Fuel |
| Heat | Heat |
| Ink | Ink |
| Lime | Lime |
| Material | Material |
| Natural Gas | Natural Gas |
| Paint | Paint |
| Pellet | Pellet |
| Pulp | Pulp |
| Resin | Resin |
| Sand | Sand |
| Scrap | Scrap |
| Sludge | Sludge |
| Steam | Steam |
| Sulfur | Sulfur |
| Vehicle | Vehicle |
| Wafer/Chip | Wafer/Chip |
| Wastewater | Waste Water |
| Yeast | Yeast |
| Energy | Energy |
| Bottle | Bottle |
| Wood | Wood |
| Shingles | Shingles |
| Coal | Coal |
| Waste, Solid | Solid Waste |
| Grain | Grain |
| Adhesive | Adhesive |
| Wood, Dried | Oven Dried Wood |
| Methane | Methane |
| Core Oil | Core Oil |
| Solid | Solid |
| Foam | Foam |
| Beer | Beer |

| Table entry | Detail |
|---------------|-------------------------------------|
| D Pulp, Unble | Dry Pulp, Unbleached |
| Elect Energy | Electrical Energy |
| Fiber | Fiber |
| Glue | Glue |
| Hydrated Lime | Hydrated Lime |
| Lead | Lead |
| Limestone | Limestone |
| Metal | Metal |
| Ore | Ore |
| Paper | Paper |
| Product | Product |
| RDF | Refuse Derived Fuel |
| Rock | Rock |
| Sawdust | Sawdust |
| Shot | Shot Material |
| Solvents | Solvents |
| Sugar | Sugar |
| Varnish | Varnish |
| Voc | Volatile Organic Compound |
| Waste | Waste |
| Water | Water |
| Current | Current Applied |
| Surface Area | Surface Area |
| Core | Core |
| Meal, Blood | Blood Meal |
| Battery | Battery |
| Fiberglass | Fiberglass |
| Ethylene Oxi | Ethylene Oxide |
| Meal, Dry Bld | Dried Blood Meal |
| Bread | Bread |
| Sludge, Dry | Dry Sludge |
| Emery | Emery |
| Aluminum | Aluminum |
| DDGS | Distillers Dried Grains With Solids |
| Log | Log |
| Silicon Diox | Silicon Dioxide |

For the numerator, choose from the following list:

| Table entry | Detail |
|-------------|----------------------|
| Amp | Amperes |
| Bhp | Brake horsepower |
| Btu | British Thermal Unit |
| E3 Gal | 1000 gallons |
| E6 Mg | Million megagrams |
| F | Degrees Fahrenheit |
| Ft | Feet |
| Ft3 | Cubic feet |
| Gal | Gallons |
| Hp | Horsepower |
| Kw | Kilowatts |

| Table entry | Detail |
|-------------|---------------------|
| Bbl | Barrels |
| BRDFT | Board Foot |
| Bushel | Bushels |
| E6 Lb | Million pounds |
| Each | Each |
| Floz | Fluid ounces |
| Ft2 | Square feet |
| Ft3(s) | Standard cubic feet |
| Gr | Grains |
| Kg | Kilograms |
| Lb | Pounds |

| Table entry | Detail |
|-------------|-------------------------------|
| Mbtu | 1000 British thermal units |
| Megagram | Megagrams |
| E6 Bdft | Million board feet |
| Mw | Megawatts |
| Ton | English tonn (2000 U.S. Lb) |
| Yd2 | Square yards |
| Avg CFM | Avg Std cubic feet per minute |
| Batch | Batch |
| M3 | Cubic meters |
| Hr | Hours |
| In | Inches |
| Mcf | Thousand cubic feet |
| Lb | Pounds |
| Tonne | Metric tons |
| E6 Lb | Million pounds |
| RPM | Revolutions per minute |
| E3 Lb | 1000 pounds |

| Table entry | Detail |
|-------------|-------------------------------|
| Mcfd | 1000 cubic feet per day |
| Mgal | Million gallons |
| Mmbtu | Million British thermal units |
| Oz | Ounces |
| Yd | Yards |
| Yd3 | Cubic Yards |
| Acre | Acres |
| Cord | Cord |
| Cycle | Cycle |
| Hp-Hr | Horsepower-hours |
| Kw-Hr | Killowatt-hours |
| Mmcf | Million cubic feet |
| Cc | Cubic centimeters |
| Mile | Miles |
| E6 Ft2 | Million square feet |
| KPA | Kilopascals |
| M | Meters |

For the denominator, choose from the following list:

| Table entry | Detail |
|-------------|-------------------------------|
| Min | Minutes |
| Day | Days |
| Mo | Month |
| Each | Each |
| Ft2 | Square feet |
| Ft2-Hr | Square foot hours |
| Ton | English tons (2000 U. S. lbs) |
| Batch | Batch |

| Table entry | Detail |
|-------------|--------------------|
| Hr | Hours |
| Wk | Week |
| Yr | Years |
| Gal | Gallons |
| Ft3 | Cubic Feet |
| M2-Hr | Square meter hours |
| Lb | Pounds |
| Cycle | Cycle |

- 3j) Maximum fuel input** -- For fuel-burning emission units only, provide the maximum fuel use in millions of BTU per hour.
- 3k) Commence construction date** -- Provide the date on which installation of the unit started at the source. If unknown, provide your best estimate of the year construction commenced.
- 3l) Initial startup date** -- Provide the date on which operation of the emission unit started.
- 3m) Firing method** -- For coal-burning units only, indicate the firing method using one of the following codes. Enter the description as well as the number.
1. Pulverized coal -- wet bottom
 2. Pulverized coal -- dry bottom
 3. Pulverized coal -- dry bottom (tangential firing)
 4. Cyclone furnace
 5. Spreader stoker
 6. Overfeed stoker (traveling grate)
 7. Underfeed stoker
 8. Wet slurry
 9. Atmospheric fluidized bed combustion
- 3n) Included in Ambient Assessment?** Respond with a yes or no as to whether this emission unit was included in the ambient assessment (using CAPS spreadsheet or SCREEN3). For additional information about which units must be included in the ambient assessment, see Minn. R. 7007.1148, subp. 1 and <http://www.pca.state.mn.us/air/permits/capped.html>.