



**Minnesota Pollution
Control Agency**

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

GI-07-R

**Potential To Emit – Supplemental
Information for Title V Reissuance**
Air Quality Permit Program

Doc Type: Permit Application

Instructions on Page 3

- 1a) AQ Facility ID No.: _____
- 1b) AQ File No. _____
- 2) Facility Name: _____

**To complete this form, you will need the colored sheet(s) labeled
Facility Description: Potential To Emit (by Item).**

- 3) Review the information on the colored sheet(s) labeled "Facility Description: Potential-to-emit (by item)." Is the information on the form complete and accurate (i.e., the hourly and annual emissions from every emission unit, storage tank, fugitive source, and/or group are accounted for; the numbers that are listed are correct; if the facility emits particulate matter, emissions of total particulate matter (PM), particulate matter smaller than 10 microns (PM₁₀), particulate matter smaller than 2.5 microns (PM_{2.5}) are all included; hazardous air pollutant emissions are included for all permitted combustion sources; greenhouse gas (GHG) emissions are included, listed as individual GHGs and as carbon dioxide equivalents (CO₂e)).
- ☐ Yes – The "Facility Description: Potential-to-emit (by item)" form is complete and accurate. Include in your application a printout of all supporting calculations for the existing data on the form. This may involve re-creating the calculations. In addition to a printout of the calculations, please also submit spreadsheet used for the calculations in an editable electronic format (CD) with the application. If that is not possible, be prepared to email the editable calculation spreadsheet to Minnesota Pollution Control Agency (MPCA) staff upon request (indicate below how the calculations are or will be provided).
- ☐ A CD with the editable calculation spreadsheet is included in this application.
- ☐ An editable spreadsheet with all calculations will be emailed to MPCA upon request.
- Done with this form. Return this page, the colored sheet(s) labeled "Facility Description: Potential-to-emit (by item)," and a printout of the spreadsheet documenting the emission calculations (in addition to the CD, if indicated above that a CD will be submitted) with your application.
- ☐ No – Go to Question 4.
- 4) Are there changes to be made to the numbers that are listed? [Note: This means changes to existing potential to emit numbers only; this does not include adding the emissions from units that are not included on the form, or adding emissions of PM_{2.5} or GHG.]
- ☐ Yes – Using a red pen, make those changes on the colored sheet. Provide all supporting calculations for any edits you make, as described in Question 7. Go to Question 5.
- ☐ No – Go to Question 5.
- 5) Are there emissions listed from equipment that is no longer at the facility?
- ☐ Yes – Using a red pen, draw a line on the colored sheet through those emissions. Go to Question 6.
- ☐ No – Go to Question 6.
- 6) Are there emissions from equipment or processes that you added on Form GI-04-R, GI-05B-R, GI-05C-R, or GI-05D-R (either additional equipment, or equipment that replaced something you crossed out for Question 5), or do you need to add pollutants for equipment that is already listed on the form (this could be PM_{2.5}, or GHG, or any other pollutant that is emitted but does not appear on the Facility Description printout)?
- ☐ Yes – Complete one line of the table on the next page for the emissions from each piece of equipment or process that is not currently listed on the white sheet, or for which you have to add GHG or PM_{2.5} or other emissions to the list. Provide all supporting calculations for any edits you make, as described in Question 7. Go to Question 7.
- ☐ No – Go to Question 7.
- 7) Return this form (pages 1 and 2) and the colored sheet(s) labeled "Facility Description: Potential-to-emit (by item)" with your application. Include with your application complete calculations for the entire facility, including all changes described above. Include a print-out of the calculations in the application package, and also provide the calculation spreadsheet in an editable electronic format; choosing one of the following options:
- ☐ A CD with the editable calculation spreadsheet is included in this application.
- ☐ An editable spreadsheet with all calculations will be emailed to MPCA upon request.

[illegible]

Instructions

Before you can submit this form, you must compile the necessary emission calculations for existing equipment and complete emissions calculations for any equipment newly-listed. For existing equipment, make sure to account for any changes that have occurred since your permit was issued (e.g., changes to fuels, raw material contents, new test data, etc.). If you do not have these calculations from previously-submitted applications, you must complete the emissions calculations now. After you have completed the calculations, mark up the colored sheet(s) as instructed in questions 3 through 5, and/or transfer the appropriate information to the table as instructed in question 6. Include the calculations with your application. Include a CD with your editable electronic calculation spreadsheets, or be prepared to email the calculations to Minnesota Pollution Control Agency (MCPA) staff upon request. (If you are submitting the entire application on a CD, then you must include the editable electronic calculation spreadsheets at the same time – you do not have the option of emailing the calculations later.)

Instructions for Adding Emissions to the List

- a) **Emission Source Type** -- Fill in the emission source type for each emission source for which emissions are being reported. The source type codes are as follows:

| | |
|----|-----------------|
| EU | Emission unit |
| FS | Fugitive source |
| TK | Tank |
| SV | Stack/Vent |
| GP | Group; |
| FC | Facility |

- b) **Emission Source ID No.** -- Fill in the identification number of each emission group, unit, fugitive emissions source, or tank, from which emissions are being reported. Obtain these numbers from the "Facility Description: Stack/Vents (SV)," "Facility Description: Stack/Vents (SV) Supplemental Information," "Facility Description: Control Equipment (CE)," "Facility Description: Control Equipment (CE) Supplemental Information," "Facility Description: Emission Unit (EU)," "Facility Description: Emission Unit (EU) Supplemental Information," "Facility Description: Storage Tanks (TK)," "Facility Description: Storage Tanks (TK) Supplemental Information," "Facility Description: Fugitive Sources (FS)," "Facility Description: Fugitive Sources (FS) Supplemental Information," "Facility Description: Groups (GP)," or "Facility Description: Groups (GP) Supplemental Information."

Note regarding questions c-f: Fill in a separate column of the form for each pollutant being reported. If you run out of room on the form, make additional copies of the form.

- c) **CAS Number** -- Provide the CAS number for Hazardous Air Pollutants (HAPs) in this box.
- d) **Pollutant Name** -- Fill in the name of each pollutant being emitted from the emission source (one pollutant per column). Begin by filling in all of the criteria pollutants in alphabetical order, then fill in the HAPs in alphabetical order.
- e) **Potential Emissions** -- In the three columns under box e, express each emission source's potential-to-emit, for each pollutant (applies to both criteria and HAPs), in each of the following three ways: In the left column under box e, report the source's maximum **controlled** emissions rate (e.g., after taking into account pollution control equipment) **in pounds per hour**. If the source is subject to a state rule, federal regulation, or self-imposed limit which requires the source's emissions to be lower than the maximum controlled emission rate, fill in the maximum emission rate taking into account the rule, regulation, or self-imposed limit. For example a unit may have a maximum controlled particulate emission rate of 10 pounds per hour, but the state industrial process equipment rule may limit the emission rate from the source to 5 pounds per hour. In this case you would fill in 5 pounds per hour as your maximum controlled emission rate. In the middle column under box e, report the emission source's maximum uncontrolled emissions **in tons per year**. In the right column under box e, report the emission source's limited controlled emissions **in tons per year**.