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| Minnesota Pollution Control Agency (MPCA), 520 Lafayette Road North, St. Paul, MN 55155-4194 | RP-D1  Option D actual emission summary  Air Quality Permit Program  Doc Type: Permit Application |

## Instructions on Page 2.

This form is for a stationary source qualifying for an Option D Registration Permit on the basis of actual or estimated actual emission calculations.

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| **1a)** AQ Facility number: | | |  | **1b)** Agency Interest ID number: | | |  |
| **2)** Facility name: | |  | | | | | |
| **3)** Actual individual Hazardous Air Pollutant (HAP) emissions: | | | | | | | |
|  | **HAP name** | | | | **Actual emissions** | | |
|  |  | | | |  | tons/year (**must be < 5 tons/year)** | |
|  |  | | | |  | tons/year (**must be < 5 tons/year)** | |
|  |  | | | |  | tons/year (**must be < 5 tons/year)** | |
|  |  | | | |  | tons/year (**must be < 5 tons/year)** | |
|  |  | | | |  | tons/year (**must be < 5 tons/year)** | |
|  |  | | | |  | tons/year (**must be < 5 tons/year)** | |
|  |  | | | |  | tons/year (**must be < 5 tons/year)** | |
|  |  | | | |  | tons/year (**must be < 5 tons/year)** | |
| **4)** Actual Total HAP Emissions = | | | | |  | tons/year (**must be < 12.5 tons/year)** | |
| **5)** Actual Particulate Matter (PM ) Emissions = | | | | |  | tons/year (**must be < 50 tons/year)** | |
| **6)** Actual Particulate Matter less than 10 microns (PM10 ) Emissions = | | | | |  | tons/year (**must be < 50 tons/year)** | |
| **7)** Actual Volatile Organic Compound (VOC) Emissions = | | | | |  | tons/year (**must be < 50 tons/year)** | |
| **8)** Actual Sulfur Dioxide (SO2) Emissions = | | | | |  | tons/year (**must be < 50 tons/year)** | |
| **9)** Actual Nitrogen Oxide (NOX) Emissions = | | | | |  | tons/year (**must be < 50 tons/year)** | |
| **10)** Actual Carbon Monoxide (CO) Emissions = | | | | |  | tons/year (**must be < 50 tons/year)** | |
| **11)** Actual Lead (Pb) Emissions = | | | | |  | tons/year (**must be < 0.5 tons/year)** | |
| **12)** Actual Greenhouse Gas (as CO2e) Emissions = | | | | |  | tons/year (**must be < 50,000 tons/year)** | |
| **13)** VOC-containing materials records based on:  Purchase  Use  Not Applicable | | | | | | | |
| **14)** HAP-containing materials records based on:  Purchase  Use  Not Applicable | | | | | | | |
| **15)** Fuel records based on:  Purchase  Use  Not Applicable | | | | | | | |

\* Per Minn. R. 7007.1130, subp. 8, if actual emissions of sulfur dioxide or particulate matter less than 10 microns exceeds 5 tons per year, the following recordkeeping must be kept:

A) the location of the emission points

B) the potential emissions in pounds per hour of sulfur dioxide and pm10

C) the gas flow rate and temperature, stack height and diameter

The owner or operator should be prepared to submit this information within 45 days of a request from the commissioner

Form RP-D1 instructions

Use this form to summarize the actual or estimated actual emissions you calculated to show or determine applicability under Option D.

**1a)** AQ Facility ID number – Fill in your Air Quality (AQ) Facility identification (ID) number. This is the first eight digits of the permit number for all permits issued under the operating permit program.

**1b)** Agency Interest ID number – Fill in your agency interest ID number. This is an ID number assigned to your facility through the Tempo database. If you don’t know this number, leave this line blank.

**2)** Facility name – Enter your facility name.

**3 - 12)** Actual emissions – For each pollutant, calculate the actual emissions for the past 12 months. (If you do not have relevant historical operating data for the facility, use Form RP-04 to estimate your actual emissions, and enter the results on this form.) Step-by-step instructions for calculating your emissions are available on the Minnesota Pollution Control Agency (MPCA) Emissions Calculations webpage, http://www.pca.state.mn.us/dm0rdc9. In addition, spreadsheets have been developed for certain operations and are available on the MPCA Small Business Environmental Assistance Program – Resources webpage, <https://www.pca.state.mn.us/smallbizhelp>.

**13)** VOC-containing materials records – Indicate that the calculations for Volatile Organic Compound/Chemical (VOC) emissions from VOC-containing materials, whether based on actual emissions or estimates (using Form RP-04), are based on purchase or use. Check “Not Applicable” only if your emissions do not include VOC emissions from VOC-containing materials.

**14)** HAP-containing materials records – Indicate that the calculations for HAP emissions from HAP-containing materials, whether based on actual emissions or estimates (using Form RP-04), are based on purchase or use. Check “Not Applicable” only if your emissions do not include HAP emissions from HAP-containing materials.

**15)** Fuel records – Indicate that the calculations for emissions from fuel combustion, whether based on actual emissions or estimates (using Form RP-04), are based on purchase or use. Check “Not Applicable” if your emissions do not include emissions from the combustion of fuel.