



# Mercury Emission Inventory

Doc Type: Air Emission Inventory - Mercury

## Facility Information

If you sell electricity in Minnesota, but do not generate electricity, please write "None" on line 1 of the section 1 reporting box and complete section 4 of this form.

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**2. Activity data and mercury emissions for facilities that produced energy outside of Minnesota and imported to Minnesota**

Please identify each unit for each facility separately.

[illegible]

Note 1. **Do not** factor in electricity generated using hydropower. No mercury is emitted from hydropower and therefore the electricity generated from hydropower should not be included in any calculations. Please identify Mercury emissions from each fuel source for each unit separately.

Note 2. Please refer to the **Mercury Emission Calculation Methods for 2011 Reporting Year** sheet for control equipment abbreviations.

Note 3. Methods of calculation (see **Mercury Emission Calculation Methods for 2011 Reporting Year** sheet for descriptions of preferred calculation hierarchy):

1. Continuous Mercury Monitor (CMM)
2. Stack test (within the past five years)
3. Mercury content of fuel, determined using American Society for Testing Materials (ASTM) methodologies, combined with control efficiency.
4. Emission Factor obtained from U. S. Environmental Protection Agency's (EPA) WebFIRE
5. Assumed emission factors for the type of fuel (see attached list of published average emission rates).
6. Other (please describe method in detail):

### 3. Exemption Status

Please list combustion units from which mercury data are not required to be reported to the Legislature.

				Please fill in the information below if using exemption code D									
Generation facility	Unit ID (if in MN)	Unit description	Exemption code from list below <sup>4</sup>	Fuel type	Amount of throughput	Unit of measure for throughput	Amount of electricity generated (MWh) <sup>1</sup>	Emission factor (EF) (pound/throughput unit)	Source of EF (use codes below <sup>3</sup> )	Year of stack test	Control device if used <sup>2</sup>	Control efficiency	Amount of mercury emitted (pounds)

#### Note 4. Exemption codes

- A. The combustion unit operated less than 240 hours in the reporting year.
- B. The combustion unit has a fuel capacity input of less than 150 million British thermal units (Btus) per hour.
- C. Electrical generation unit has a maximum output of less than or equal to 15 megawatts (MW).
- D. The combustion unit emitted less than or equal to 3.0 pounds of mercury during reporting year.

(If you use exemption D, you will need to provide the mercury emissions calculated for the reporting year so we have documentation that the facility qualifies for exemption on reporting fuel use and electricity produced to the Legislature. Please note that if you qualify for exemption based on emissions calculated, you must still calculate mercury emissions annually to demonstrate that you continue to merit exemption.)

#### If you have a unit that emitted less than 3.0 pounds....

Generation units with fewer than 3.0 pounds of mercury emissions may still be included in the biennial Legislative report, even though the Mercury Emissions Consumer Information Act does not require inclusion. Since the purpose of the Act is to provide information to electrical consumers, unusually low rates of mercury emission may be of interest. Please indicate your wishes for your units that emitted less than 3.0 pounds of mercury:

- ☐ Yes, I would like my units with less than 3.0 pounds of mercury emissions included in the biennial Legislative Report.
- ☐ No, I would not like my units with less than 3.0 pounds of mercury emissions included in the biennial Legislative Report.

4. Electricity sold in Minnesota, but produced by others outside of Minnesota.

If your organization did not purchase electricity produced outside of Minnesota, write “none” on line 1, column B. Because all Minnesota generators of electricity will be reporting on electricity produced in Minnesota, this section only pertains to electricity that to your best knowledge was produced outside of Minnesota. Where the information is available, please subdivide the purchased electricity into broad categories, for instance differentiating between specific facilities, and between coal and hydropower.

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