

VII. Annual SO₂ Emission Statement Form INV-N1

This form allows reporting for two separate programs. The first program report is the annual NO_x emissions statement. The second program report is the New Hampshire Acid Rain Deposition Act. The annual NO_x emissions statement reporting is addressed in a separate section.

SO₂ Emission Statement: If the facility is subject to the New Hampshire Acid Rain Deposition Act then this form is required. If you are subject there will be a line in the device(s) permit that states "subject to the New Hampshire Acid Rain Deposition Act" or there will be a 1.6 lb SO₂/mmbtu limitation. If you are still unsure please contact the Division. One form should be completed for each combustion device although identical combustion devices may be listed on one form.

1. Reporting Year: Four-digit number representing the calendar year for which emissions data is being submitted (e.g., 1999 for calendar year 1999 emissions)
2. Source Name: The complete facility name.
3. Device Name/Permit Number: Description of the specified device(s) and applicable permit number(s) (e.g., Boiler #1 PO-BP-1234)
4. Fuel used:
 - A. Fuel Type: The type of fuel used. The SCC code or actual fuel type may be entered (e.g., for an industrial boiler burning #6 oil the entry would be 1-02-004-01 or #6 oil).
 - B. Sulfur: The sulfur content of the fuel usually expressed as a weight percentage.
 - C. Actual Fuel Used/Units: The actual monthly quantities of fuel combusted in the specified device(s) and the associated units (solid fuels are generally reported in tons, liquid fuels are generally reported in gallons or 1000 gallons, gaseous fuels are generally reported in millions of cubic feet).
 - D. MMBTUs: The total heat released by combusting the fuel. This is the quantity multiplied by the heating value of the fuel. Table One from the emission statement reporting package has default heating values for different fuels.
 - E. EMF (emission factor): The estimated rate at which SO₂ is released to the atmosphere and the associated units. If the quantity is reported in tons then the EMF should be in pounds of SO₂ per ton of fuel burned (lbs/ton), if the quantity is reported in 1000 gallons then the EMF should be in pounds of SO₂ per 1000 gallons of fuel burned (lbs/Kgal), if the quantity is reported in millions of cubic feet then the EMF should be in pounds of SO₂ per million cubic feet burned (lbs/MMcf).
 - F. SO₂: The amount of SO₂ emitted in pounds, this would be the quantity multiplied by the SO₂ emission factor.

5. Totals: The sum of the MMBTUs and SO₂ columns.
6. SO₂ lb/mmmbtu: The total pounds of SO₂ divided by the total mmbtus.
7. Comments: Any comments relevant to the data listed. Examples include, "Sulfur content of fuel is a weighted average", "Emission factor is from 07/11/99 stack test", "Switched to natural gas in October", or "Device was removed in February of this year."
8. Signature: Signature of person completing the form.
9. Title: Title of person completing form.
10. Date: Date form is completed.