

III. Annual NOx Emission Statement Form INV-N1

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

NOx Emission Statement: If actual annual facility NOx emissions are greater than or equal to 10 tons or NOx RACT applies to the specified device(s), then this form is required. Form INV-N1 is for combustion sources (i.e., boilers, engines, generators, turbines, asphalt plants, etc.). 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. Max heat input rate: Nameplate rating for heat input (e.g., 35 MMBTU/hr). Maximum fuel consumption rate (e.g., gals/hr) is acceptable.
5. Ozone season heat input rate: Heat input rate from June 1 to August 31 for the year of record. If the 35 MMBTU/hr boiler above operated at 50% capacity during the summer than 0.5×35 MMBTU/HR yields an ozone season heat input rate of 17.5 MMBTU/HR.
6. Ozone Season Operating Schedule: This is the operating schedule of the specified device(s) from June 1 thru August 31 for the year of record. (e.g., 18 hrs/day, 5 days/week, 13 weeks/season). There is a total of 13 weeks during the ozone season. If production were shut down for two weeks in July for example, then the weeks per season would be 11. The days/season are the days/week multiplied by the weeks/season (e.g., 5 days/week * 13 weeks/season yields 65 days/season).
7. 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. 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).
 - C. EMF (emission factor): The estimated rate at which NOx is released to the atmosphere and the associated units. If the quantity is reported in tons then the EMF should be in pounds of NOx per ton of fuel burned (lbs/ton), if the quantity is

reported in 1000 gallons then the EMF should be in pounds of NO_x 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 NO_x per million cubic feet burned (lbs/MMcf).

- D. NO_x: The amount of NO_x emitted in pounds, this would be the quantity multiplied by the NO_x emission factor.
 - E. Ozone Daily NO_x Emissions: The average NO_x emissions on a pound per day basis. The total NO_x emissions from June 1 thru August 31 in pounds divided by the actual number of days of operation during the ozone season. If this cannot be determined then the Division will perform the calculation.
8. Comments: Any comments relevant to the data listed. Examples include, "Emission factor is from 07/11/99 stack test", "Switched to natural gas in October", "Device was removed in February of this year", or "These are the uncontrolled emissions, control efficiency is 98%."
 9. Signature: Signature of person completing the form.
 10. Title: Title of person completing form.
 11. Date: Date form is completed.