



# Illinois Environmental Protection Agency

## Supplemental Form Air Pollution Control Equipment – NO<sub>x</sub> Control

Illinois Environmental Protection Agency  
Bureau of Air – Permit Section (MC 11)  
2520 West Iles Ave  
P.O. Box 19276  
Springfield, IL 62794-9276

Date Form Received

Note: A combustion modification such as adding a low NO<sub>x</sub> burner requires a separate attachment describing the type of modification and submittal of the manufacturer's specifications and guarantees.

### Data and Information

Flow Diagram Designation of NO<sub>x</sub> Control: \_\_\_\_\_

Type of Control:

- |  |  |
|--|--|
| <input type="checkbox"/> Low NO <sub>x</sub> Burners       | <input type="checkbox"/> Water Injection in Burner         |
| <input type="checkbox"/> Co-firing                         | <input type="checkbox"/> Steam Injection in Burner         |
| <input type="checkbox"/> Bias Firing                       | <input type="checkbox"/> Flue Gas Recirculation            |
| <input type="checkbox"/> Low Access Air                    | <input type="checkbox"/> Overfire Air                      |
| <input type="checkbox"/> Selective Non-Catalytic Reduction | <input type="checkbox"/> Non-selective Catalytic Reduction |
| <input type="checkbox"/> Selective Catalytic Reduction     |  |
| <input type="checkbox"/> Other (Specify):                  |  |

### For Reduction Devices

Temperature at Which Reduction Occurs (Degrees Fahrenheit): \_\_\_\_\_

Type of Reducing Agent: \_\_\_\_\_

Reducing Agent Use Rate: \_\_\_\_\_

Description of Injection System:

The Illinois EPA is authorized to require, and you must disclose, the requested information on this form pursuant to the Environmental Protection Act ("Act"), 415 ILCS 5/1 et seq., and its implementing regulations. This information shall be provided using either this form or in an alternative manner at your discretion. Failure to disclose the information may result in an incomplete application and other penalties as provided for in the Act, 415 ILCS 5/42-45. Intentional falsification of the information in this form may result in significant criminal and civil penalties as provided by law.

**For Catalytic Devices**

Type of Catalyst Used: \_\_\_\_\_

Expected Frequency of Replacement: \_\_\_\_\_

Describe NO<sub>x</sub> control utilized:

**NO<sub>x</sub> Control Operating Parameters**

Operating Parameter	During Maximum Operation of Feeding Unit(s)	During Typical Operation of Feeding Unit(s)
Inlet Gas Temperature (degrees Fahrenheit)		
Inlet Gas Flow Rate (scfm)		
Reducing Agent Input Rate (lb/hr)		
Water or Steam Input Rate (lb/hr)		
Flue Gas Recirculation (%)		
Efficiency (NO <sub>x</sub> reduction, %)		

## **NO<sub>x</sub> Control Monitoring and Recordkeeping**

Parameter to be Monitored (e.g. flow rate)		
Method of Measurement		
Unit of Measurement		
Monitoring Frequency		
Description of the Location of Each Monitor		
Verification Procedures to Confirm the Operational Status of the Monitoring		
Method of Recordkeeping (e.g. data logger, manual readings)		

If each monitor is not operated at all times the control equipment is in operation, explain:

Provide information on the most recent tests, if any. If additional space is needed, attach and label as exhibit 260I-1:

Test Date	Test Method	Testing Company	Operating Conditions	Summary of Results

Describe all reporting requirements and provide the title and frequency of report submittals to the Agency: