



# Illinois Environmental Protection Agency

## Supplemental Form

### Air Pollution Control Equipment – Packed Column Scrubber

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

### Data and Information

Flow Diagram Designation of Column Scrubber: \_\_\_\_\_

Scrubbant (liquid): \_\_\_\_\_

Type of Packing Used: \_\_\_\_\_

Design Parameter	Value
Packing Volume (ft <sup>3</sup> )	
Column Diameter (feet)	
Column Height – Packed (feet)	
Column Weight (lbs)	
Pressure Drop (inches H <sub>2</sub> O):	
Slope of Equilibrium Curve (lbs per mole liquid/lbs per mole gas)	

If scrubbant is recycled back into the control system explain the process:

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.

## **Inlet Emission Stream Parameters**

Parameter	Maximum	Typical
Pressure (mmHg)		
Moisture Content (%)		
Relative Humidity (%)		

## **Scrubber 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)		
Inlet Liquid Temperature (degrees Fahrenheit)		
Inlet Liquid Flow Rate (gal/min)		
Outlet Liquid Flow Rate (gal/min)		
Efficiency (pm reduction %)		
Efficiency (other: specify regulated air pollutant %)		

## Packed Column Scrubber 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 260G-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: