



Illinois Environmental Protection Agency

Supplemental Form Air Pollution Control Equipment – Flare

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 Flare: _____

Indicate Which Type of Monitor the Pilot Flame is Equipped With:

- None
- Thermocouple
- Camera with monitoring control room
- Other, Describe: _____
- Infra-red
- Ultraviolet

Is the Flare Steam Assisted: Yes No

Is the Flare Considered Smokeless: Yes No

Flare Tip Diameter (inches): _____

Temperature of the Flare Gas (degrees F): _____

Typical Operating Rate (BTU/Min): _____

Design Parameter	scf/min	scf/hr
Maximum Capacity of Flare		
Maximum Rate During Emergency		
Natural Gas Flow Rate to Flare Pilot Flame		
Typical Operating Rate		

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)		
Heat content (Btu/scf)		
Oxygen Content (%)		
Moisture Content (%)		
Relative Humidity (%)		

Are Halogenated Organics Present: Yes No
 Are Particulates Present: Yes No
 Are Metals Present: Yes No

Flare Operating Parameters

Operating Parameter	During Maximum Operation of Feeding Unit(s)	During Typical Operation of Feeding Unit(s)
Inlet Gas Temperature (degree F)		
Inlet Gas Flow Rate (scfm)		
Efficiency of VOM Reduction (%)		
Efficiency of Other; Specify Regulated Air Pollutant: _____ (%)		

Flare 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 260J-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: