



## FORM EU: EMISSION UNIT INFORMATION

Please see instructions on reverse side.

Company Name: \_\_\_\_\_

### EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

1. Emission Unit Type: \_\_\_\_\_

2. Date of On-Site Installation: \_\_\_\_\_

3. Emission Unit (EU) ID: \_\_\_\_\_ 4. Emission Unit Name: \_\_\_\_\_

5. Type: ☐ New Unit ☐ Unpermitted Existing Unit ☐ Modification to the Permitted Unit  
with Construction Permit No.: \_\_\_\_\_

6. Manufacturer: \_\_\_\_\_ 7. Model: \_\_\_\_\_

8. Maximum Nameplate Capacity: \_\_\_\_\_

9. Maximum Process Design Capacity (if different than #8): \_\_\_\_\_

10. Material Processed: \_\_\_\_\_

11. Date of Last or Proposed Modification (if applicable): \_\_\_\_\_

### REQUESTED LIMITS

12. Are you requesting any limits? ☐ Yes ☐ No If yes, check the box(es) below and list all requested limits.

☐ Operation Hour Limits: \_\_\_\_\_ ☐ Hours per day ☐ Hours per year

☐ Production Limits: \_\_\_\_\_ Unit of Measure: \_\_\_\_\_

☐ Material Usage Limits: \_\_\_\_\_ Unit of Measure: \_\_\_\_\_

☐ Emission Limits: \_\_\_\_\_

☐ Other Limits: \_\_\_\_\_

Rationale for Requested Limit: \_\_\_\_\_

### PROCESS AND AIR EMISSIONS DIAGRAM

13. Provide a description and a diagram to show both how material flows through this emission unit and also how air emissions will flow through the emission point connected to this emission unit. Include product input and output, fuel throughput, and any parameters which impact air emissions.

14. Control Equipment: ☐ Yes ☐ No If yes, provide CE ID: \_\_\_\_\_

15. Emission Point (EP) ID: \_\_\_\_\_

## Instructions for Form EU: Emission Unit Information

- Complete one Form EU for each emission unit in the application even if multiple emission units vent through the same emission point. (Note: you may submit one Form EU describing multiple emission units if either: the emission units are functionally similar or emission units were previously permitted, vent to the same emission point and vent to the same control device. If submitting on same Form EU please uniquely identify each Emission Unit Name and EU ID.)

**Understanding EU Form Information:** Each number provides an explanation for the corresponding field on the form.

**Company Name:** This is useful if application pages become separated.

### Emission Unit Identification & Description

1. **Emission Unit Type:** Provide the type of emission. Examples are provided in the following table:

Air Gas Furnace	Open Tank or Vat
Calciner	Other combustion
Chemical Reactor	Other evaporative sources
Chipper/Flaker/Hammermill	Other fugitive
Condensate Stripper	Other process equipment
Conveyor	Oxidation Unit
Crusher	Primary Condenser
Curing Oven	Primary Tube Dryer
Degreaser	Printing Line
Direct-fired Dryer	Process Equipment and Process Area Drains
Distillation Column/Stripper	Process Equipment Fugitive Leaks
Dryer, unknown if direct or indirect.	Process Heater
Duct Burner	Process Vent
Engine Test Cell	Regenerative Furnace
Evaporator	Roof vents/Building vents
Finish Mill	Saw
Flare	Screen
Furnace	Silo
Gasoline Loading Rack or Arm	Sludge Storage Lagoons/Drying Beds
Grinder	Storage bin
Incinerator	Storage Tank
Indirect-fired Dryer	Thin Film Evaporator
Kiln	Transfer Point
Miscellaneous Coating Operation	Transfer System
Mixer or Blender	Turbine
Non-TSDF Treatment, Storage, Disposal System	Unclassified
Open Air Fugitive Source	Vapor Incinerator
Open Storage Pile	

2. **Date of On-Site Installation:** Provide the date when on-site installation of the equipment began or will begin, including the month and year. If you don't know the month, please use January.
3. **Emission Unit (EU) ID:** Called the emissions unit (EU) identification (ID). Each source in the application must have its

own identifier. It can be any combination of letters or numbers up to 16 characters in length. The ID should match the ID for this equipment used on other construction permit applications and within this application. If also submitting an operating permit application, the ID used in this application should be consistent with those used in the operating permit application.

4. **Emission Unit Name:** Provide name of the emission unit, such as Printer #4, Curing Oven #3, Storage Tank #2, etc.
5. **Type:** Indicate “new unit” for an emission unit intended to be installed at the site, or “unpermitted existing unit” for an emission unit already installed at the site. If the emission unit already has a construction permit and is being modified, indicate so and provide the current construction permit number.
6. **Manufacturer:** Provide the name of the manufacturer of the emission unit. If the unit is custom-designed or homemade, indicate so.
7. **Model:** Provide the model number of the emission unit. If the unit is custom-designed or homemade, indicate so.
8. **Maximum Nameplate Capacity:** Provide the maximum capacity of the emission unit. For example, a bake oven capacity may be in mmBTU/hr in terms of heat input of natural gas; an assembly line capacity may be in parts produced per hour. Capacity should be based on a rated nameplate or capacity in the manufacturer’s literature. If it is a batch operation, list the individual batch capacity. Examples provided in table below:

ACRE	KILOWATTS
AMPERE-HOURS	MEGAGRAMS
BARRELS	MEGAWATTS
BARRELS PER DAY	MILES PER YEAR
BARRELS PER HOUR	MILLION BTU PER HOUR
BARRELS PER YEAR	MILLION BTU PER YEAR
BOARD FEET PER DAY	MILLION CUBIC FEET PER HOUR
BOARD FEET PER HOUR	MILLION CUBIC FEET PER YEAR
BTU PER HOUR	MILLION GALLONS PER YEAR
BUSHELS PER HOUR	MILLION POUNDS PER HOUR
CUBIC FEET PER DAY	MILLION STANDARD CUBIC FEET PER HOUR
CUBIC FEET PER HOUR	Other
CUBIC FEET PER MINUTE	POUNDS
CUBIC FEET PER YEAR	POUNDS PER DAY
CUBIC METERS	POUNDS PER HOUR
CUBIC YARDS PER HOUR	POUNDS PER MINUTE
DRY STANDARD CUBIC FEET PER HOUR	POUNDS PER YEAR
DRY STANDARD CUBIC FEET PER MINUTE	SQUARE FEET
FEET PER HOUR	STANDARD CUBIC FEET PER HOUR
FEET PER MINUTE	STANDARD CUBIC FEET PER MINUTE
GALLONS	TONS
GALLONS PER DAY	TONS PER DAY
GALLONS PER HOUR	TONS PER HOUR
GALLONS PER MINUTE	TONS PER YEAR
GALLONS/YEAR	UNIT/HR
HORSEPOWER	VMT/HR
INCHES/HR	

9. **Maximum Process Design Capacity:** Provide the maximum process design capacity of the emission unit, if different than maximum nameplate capacity; it could be a long term capacity. If there are multiple components or operational considerations, list the maximum capacity the process can achieve. If the capacity is limited due to a bottleneck,

please indicate it. Examples are provided in table under maximum nameplate capacity.

10. **Material Processed:** Provide the type of raw material processed, finished product(s) and any types of fuels used in the emission unit.
11. **Date of Last or Proposed Modification:** Provide the month and year of the last modification. In the case of a proposed modification, provide the best estimate of the modification date. For the purpose of this form, **Modification** means any physical change or change in the method of operation of any existing equipment or control equipment.

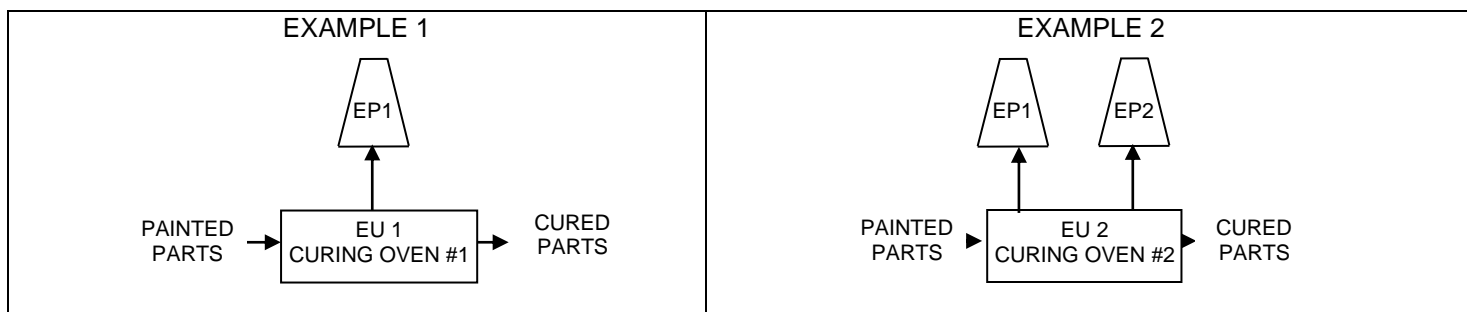
### Requested Limits

12. If you are requesting any limits, mark "Yes". Then provide the requested limit that applies to this emission unit.
- **Operation Hour Limits:** operation hour limits may be in terms of number of hours per day or hours per year.
  - **Production Limits:** production limits may be in terms of parts produced per hour or per year.
  - **Material Usage Limits:** material usage limits may be in gallons per day or gallons per year.
  - **Emission Limits:** emission limits may be in terms of pounds per hour or tons per year for each pollutant. If requesting synthetic minor limits to stay out of Title V or PSD programs, please indicate this. List any limits requested because of federal rules, such as NSPS or NESHAP.
  - **Other Limits:** any other type of limits may be specified here.
  - **Rationale for Requested Limit:** If requesting a permit limit(s), indicate the rationale for the requested limit. If you are not sure about a requested operating limit, contact the Air Quality Bureau at 1-877-AIR-IOWA.

### Process and Air Emissions Diagram

13. The process description and diagram should include what raw materials or products enter and exit the emission unit, how they flow through the emission unit, fuel usage which occurs at the emission unit, and any other material or product that flows into and out of the emission unit. In addition, show the pathway of air emissions from each emission unit through each piece of control equipment (if any) to the emission point. Identification numbers used in the diagram should be consistent with the labeling of EU IDs, CE IDs and EP IDs used through this application.

The applicant may create and save an image and insert in box 13 of the form. Alternatively, the applicant may attach the Process Flow Diagram and label it "Form EU-13A".



14. **Control Equipment:** Indicate if the emission unit is equipped with air pollution control equipment. Provide the control equipment ID. Also complete the appropriate control equipment form. The name and ID for this equipment should be the same as those used on control equipment form and throughout the application.
15. **Emission Point (EP) ID:** Called the emission point (EP) identification (ID). It can be any combination of letters or numbers. The ID should match the ID for this equipment used on other construction permit applications and within this application. If also submitting an operating permit application, the ID used in this application should be consistent with those used in the operating permit application.