



FORM EU: EMISSION UNIT INFORMATION

Please see instructions on reverse side.

Company Name: _____

EMISSION UNIT (PROCESS) IDENTIFICATION & DESCRIPTION

- 1. Emission Unit Name: _____
2. Type: [] New Unit [] Unpermitted Existing Unit [] Modification to the Permitted Unit with Construction Permit No.: _____
3. Emission Unit (EU) ID: _____
4. Emission Point (EP) ID: _____
5. Manufacturer: _____
6. Model: _____
7. Maximum Hourly Nameplate Capacity: _____
8. Maximum Process Design Capacity (if different than #7): _____
9. Material Processed: _____
10. Date of On-Site Installation: _____
11. Date of Last or Proposed Modification (if applicable): _____
12. Control Equipment: [] Yes [] No If yes, provide CE ID: _____

REQUESTED LIMITS

- 13. Are you requesting any limits? [] Yes [] No If yes, check the box(es) below and list all the requested limits.
[] Operation Hour Limits: _____ [] Production Limits: _____
[] Material Usage Limits: _____ [] Emission Limits: _____
[] Other: _____
Rationale for Requested Limit: _____

PROCESS AND AIR EMISSIONS DIAGRAM

14. 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.

Instructions for Form EU: Emission Unit Information

- Completed 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.)
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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.

1. **Emission Unit Name:** Provide the name of the emission unit, such as "dip tank", "DDG Dryer", "pellet cooler", etc.
2. **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, provide the current construction permit number.
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 Point (EP) ID:** Called the emission point (EP) identification (ID). 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.
5. **Manufacturer:** Provide the name of the manufacturer of the emission unit. If the unit is custom-designed or homemade, indicate so.
6. **Model:** Provide the model number of the emission unit. If the unit is custom-designed or homemade, indicate so.
7. **Maximum Hourly Nameplate Capacity:** Provide the maximum short term 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.
8. **Maximum Process Design Capacity:** Provide the maximum process design capacity of the emission unit; 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.
9. **Material Processed:** Provide the type of raw material processed, finished product(s) and any types of fuels used in the emission unit.
10. **Date of On-Site Installation:** Provide the date when on-site installation of the equipment began or will begin, including the month and year.
11. **Date of 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.
12. **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(s) (CE, CE1, CE2, CE3, CE4, CE5, or CE6). The name and ID for this equipment should be the same as those used on control equipment form and throughout the application.

Request for Permit Limitations:

13. **Operating Limits:** If you wish to have permit limits placed on the emission unit, mark "Yes." Then, check each type of limit that applies to this emission unit and provide the requested limit. For example, operation hour limits may be in terms of number of hours per year, production limits may be in terms of parts produced per year, material usage limits may be in gallons per day, and emission limits may be in terms of pounds per hour. 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 a NOx limit of 0.1 lb/MMBTU from NSPS Subpart Db. 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 Linn County Public Health Department Air Quality Division at (319) 892-6000.

Process Diagram:

14. **Process Diagram:** 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 either attach a block flow diagram with this form or include a drawing as a part of Form CP. If including an attachment, please label "Form EU-14A".

