

Instructions for Form EI

This form is designed to provide the review engineer information on plant-wide total emissions and emissions from each emission point. Total emissions are used to classify the plant into the appropriate categories for PSD and Title V programs.

Fill in your company name and check the appropriate source classification box.

- Note:
1. This form is required for every construction permit application. However, if you indicate that the plant is a major PSD source, you may list only the emission points that are new or were modified for 5 years before the proposed construction date requested in the application. Changes of emission rates at any emission point during the 5-year period should be demonstrated by an attachment labeled EI-A.
 2. For a minor or unknown PSD source, list all emission points at your plant.
 3. If multiple emission units use a common emission point, fill in the emission point ID in column (1). List all emission units involved in column (2) and (3) below that emission point (EP) ID.
 4. The emissions from exempt units **MUST** be included in this emission inventory.

Stack/Vent Emissions Summary:

1. Provide the emission point (stack or vent) identification number. Include the emission point number of the source you are seeking a permit for.
2. Provide the emission unit(s) identification number(s).
3. Provide a brief description of the source identified in column (2).
4. The date of construction of the emission unit is the date, month, and year in which construction or modification begins as defined in EU Form Instruction item 7.
5. Provide the permit number for the emission point, if any. If there is no permit number, indicate if there is an exemption being claimed for the emission unit by referencing the Iowa Administrative Code (e.g. 567 IAC 22.1(2)"...").
6. Fill in the rate of potential to emit or permitted emission rate in **tons per year** for each pollutant. See Instructions in Item 4 of Form EC for definition of "Potential to emit." The following are regulated pollutants that must be accounted for:
 - (a) **PM:** All Particulate Matter (same as total suspended particulate matter).
 - (b) **PM10:** Particulate matter with an aerodynamic diameter of ten microns or less, as measured by an EPA approved reference method.
 - (c) **SO2:** Sulfur Dioxide.
 - (d) **NOx:** Nitrogen Oxides.
 - (e) **VOCs:** Photochemical reactive volatile organic compounds.
 - (f) **CO:** Carbon Monoxide.
 - (g) **Lead:** Elemental Lead and Lead Compounds.
 - (h) **HAP:** The single Hazardous Air Pollutant with the largest PTE at the plant. If more than one HAP is emitted at this plant please provide a speciated summary of all the HAP emissions at this plant.
 - (i) **THAP:** Total Hazardous Air Pollutants.
7. Fill in the sum of the emission rate for each pollutant for all emission points (stacks or vents). The emissions from exempt units **MUST** be included in this total.

Fugitive Emissions Summary:

8. Fugitive emissions are those emissions that cannot reasonably be made to pass through a stack or vent or equivalent opening. Examples include coal piles, unpaved roads, etc. Fugitive emissions must be included in this form if:
 - (a) Your fugitive emission sources are quantifiable;

- (b) Your plant is one of the 28 named source categories found in PSD rules in 40 CFR 52.21;
- (c) Your emission unit is subject to a NSPS standard as of August 7, 1980;
- (d) Your emission unit is subject to a NESHAP standard as of August 7, 1980;
- (e) Your plant has been determined to be major for PSD.

If none of the above applies to your application, do not list fugitive emissions.

Assign an identification number to each fugitive source. This can be any number, as long as it is different from the emission point numbers and consistent with numbers submitted in other permit applications, including operating permit applications. If you have more fugitive emission sources than can fit on this form, attach a list (labeled EI-7A) to this form. Briefly describe the source as coal pile, unpaved road, etc. Fill in the rate of potential to emit in tons per year for each pollutant.

- 9. Fill in the sum of all fugitive emissions for each pollutant.
- 10. Fill in the sum of the total plant emissions for each pollutant, including emission points and fugitive sources