

Instructions for Form EC

This form is used by Linn County to better understand the process being permitted and to verify the emissions calculations and how they are calculated. This form is required with the Authorization to Install (ATI) permit application. This form is used to supplement the information requested from the ATI application.

1. Provide company name.
2. Provide the number of the emission point that the emission unit(s) will exhaust into the atmosphere. This should be the same number as on form EP and CE.
3. **Emissions Calculations:**
Check the appropriate box to indicate the basis for emission calculations. Emission calculations are used to verify potential compliance with the applicable standard or requested limit. Emissions need to be estimated using emission factors, a mass balance, testing data or another method as approved by Linn County. A calculation based on an assumed grain loading that control equipment can meet is not an approved method of estimating emissions. For example, it is not acceptable to assume all baghouses can achieve 0.02 gr/dscf or better. Emission calculations need to be based on maximum throughput and an emission factor, also assuming the appropriate control efficiency (if applicable). Include a description of any assumptions used in making the calculations. If more space is needed, attach an 8.5" x 11" sheet(s) labeled EC-4A.
4. Summarize the **potential** emission rates for each air pollutant emitted from this emission point (stack or vent). For pollutant definitions, refer to Form EI instructions number 5. For a listing of hazardous air pollutants (HAPs), refer to Table A of the construction permit application. Indicate the concentration unit for each pollutant. Concentration is usually expressed in grains per standard cubic feet (gr/scf) for particulate, and parts per million by volume (ppmv) or pounds per million Btu (#/MMBTU) for gaseous pollutants.