



These limits define the potential emissions of the cupola furnace operations and are based on the actual emissions determined from maximum production capacity and standard emission factors. Compliance with annual limits shall be determined on a monthly basis from the sum of the data for the current month plus the preceding 11 months.

4. This permit is issued based on negligible emissions of nitrogen oxides and volatile organic materials from the core bake oven. For this purpose, emissions of each pollutant shall not exceed nominal emission rate of 0.1 lb/hour and 0.44 ton/year.
5. No person shall cause or allow any visible emissions of fugitive particulate matter from any process, including material handling or storage activity, beyond the property line of the emission source, pursuant to 35 Ill Adm. Code 212.301.
6. Operation in excess of applicable emission standards during malfunction and breakdown is allowed. This allowance applies only to the following equipment: cupola for 1 hour in order to quit charging the cupola, tap the remaining iron and drop the bottom.
7. The Permittee shall maintain monthly records of the following item:  
  
Gray iron casting production (tons/month, tons/year).
8. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least three years from the date of entry and shall be made available for inspection and copying by the Illinois EPA or USEPA upon request. Any records retained in an electronic format (e.g., computer) shall be capable of being retrieved and printed on paper during normal source office hours so as to be able to respond to the Illinois EPA or USEPA request for records during the course of a source inspection.
9. If there is an exceedance of the requirements of this permit as determined by the record required by this permit, the Permittee shall submit a report to the Agency's Compliance and System Management Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the record keeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
10. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: annual production of gray iron.

11. Two (2) copies of required reports and notifications concerning equipment operation or repairs, performance testing or a continuous monitoring system shall be sent to:

Illinois Environmental Protection Agency  
Division of Air Pollution Control  
Compliance Section (#40)  
P.O. Box 19276  
Springfield, IL 62794-9276

and one (1) copy shall be sent to the Agency's regional office at the following address unless otherwise indicated:

Illinois Environmental Protection Agency  
Division of Air Pollution Control - Regional Office  
Eisenhower Tower  
1701 First Avenue  
Maywood, Illinois 60153

It should be noted that the sand blaster, grinders and tumblers are exempt from state permit requirements, pursuant to 35 Ill. Adm. Code 201.146(aa).

If you have any questions on this, please call Valeriy Brodsky at 217/782-2113.

Donald E. Sutton, P.E.  
Manager, Permit Section  
Division of Air Pollution Control

DES:VJB:psj

cc. Illinois EPA, FOS Region 1  
Illinois EPA, Compliance Section  
Lotus Notes

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emission from the Gray Iron Foundry operating in compliance with the requirements of this federally enforceable permit. In preparing this summary, the Illinois EPA used the annual operating scenario which results in maximum emissions from such a plant. This is production of 1,240 tons of gray iron casting per year. The resulting maximum emissions are well below the levels, e.g., 100 tons of carbon monoxide per year at which this source would be considered a major source for purposes of the Clean Air Act Permit Program. Actual emissions from this source will be less than predicted in this summary to the extent that material is handled, and control measures are more effective than required in this permit.

1. Operation and emissions of the cupola furnace shall not exceed the following limits:

Production Rate (Ton/Mo)(Ton/Yr)		Emission Factors (Lb/Ton)		E M I S S I O N S			
		CO	PM	CO		PM	
		CO	PM	(Ton/Mo)	(Ton/Yr)	(Ton/Mo)	(Ton/Yr)
120	1,240	145	13.8	8.7	89.9	0.04	0.43

2. This permit is issued based on negligible emissions of nitrogen oxides and volatile organic materials from core bake oven. For this purpose, emissions of each pollutant shall not exceed nominal emission rate of 0.1 lb/hour and 0.44 ton/year.

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