

This table defines the potential emissions of the shredding plant and is based on the use of the maximum allowed emission rate for shredding, pursuant to Section 212.321 of 35 Ill. Adm. Code (Allowable rate in lb/hr = $2.54 \times (100)^{0.534}$).

- b. Emissions from each process unit other than shredding (e.g., picking, conveying) shall not exceed: 0.1 lb/hr, 0.44 ton/yr.
- c.
 - i. This permit is based on the use of water sprays on the shredder system to provide moisture that will reduce emissions of particulate matter.
 - ii. Pressure and flow rate indicators and a flow totalization meter to determine water usage shall be installed, operated and maintained on the water supply to the spray equipment.
 - iii. Operation of the shredder and associated equipment will be allowed only when the equipment required in (ii) above is functioning.
- 3a. The Permittee shall maintain records of the following information:
 - i. Daily records of the shredder operating hours.
 - ii. Daily water consumption in the spray equipment, as determined by the meter required by Condition 2(c)(ii).
 - iii. Average water flow, calculated from daily water consumption divided by daily operating hours.
- b. 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 and 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 an Illinois EPA request for records during the course of a source inspection.
- 4. If there is an exceedance of the requirements of this permit as determined by the records required by this permit, the Permittee shall submit a report to the Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released in accordance with the recordkeeping requirements, a copy of the relevant records, and a description of the exceedance or violation and efforts to reduce emissions and future occurrences.
- 5. Inspections of water spray equipment (e.g., leaks, adequate flow, freeze-up or clogged flow lines, condition and alignment of nozzles, etc.) shall be performed at least once per operating day.

6. The Permittee shall maintain an operating log for the water spray equipment, including dates and times of inspections (with water pressure and flow rate observations), malfunctions (type, cause and measures taken to correct) and maintenance and repair.
7. The PM concentration in the effluent stream of the shredder shall be measured by an approved independent testing service, within 90 days of a written request by the Illinois EPA for such a test. The Illinois EPA will require this test if, based on observations by Field personnel, the shredder is not maintained or operated so as to demonstrate compliance with Section 212.321.
- 8a. 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.
- b. The Illinois EPA may require observations (with appropriate recordkeeping of wind direction, wind speed, etc.) conducted twice a day around the property line if, based on observations by field personnel, apparent violations of Section 212.301 occur.
9. 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)
1340 North Ninth Street
P.O. Box 19276
Springfield, Illinois 62794-9276

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

Illinois Environmental Protection Agency
Division of Air Pollution Control
5415 North University
Peoria, Illinois 61614

- 10a. The Permittee shall not shred scrap vehicles from which the fuel tanks have not been removed.
- b. The Permittee shall visually inspect each scrap vehicle prior to shredding for the presence of fuel tank(s).
11. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year: production for the prior calendar year. If there have been no exceedances during the prior calendar year the Annual Emissions Report shall include a statement to that effect.

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If you have any questions on this permit, please call John Blazis at 217/782-2113.

Sincerely,

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

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cc: Illinois EPA, FOS Region 2
Illinois EPA, Compliance Unit
USEPA - Lotus Notes

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emission of the scrap processing facility 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 processing a maximum of 100 tons of scrap per hour.) The resulting maximum emissions are below the levels of 100 tons per year of PM 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 less material is handled, and control measures are more effective than required in this permit.

1a. Emissions of particulate matter from the plant:

<u>Unit</u>	<u>Throughput</u>	<u>Hours of Operation (Hr/Yr)</u>	<u>PM Emissions</u>
Shredder System	100 ton/hr Shredded	6515	29.7 lb/hr 96.75 ton/yr
Cascade Cleaning System W/Cyclone	100 ton/hr Processed	6515	0.1 lb/hr 0.44 ton/yr

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