

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT
RENEWAL

PERMITTEE

American Waste Processing, Ltd.
Attn: William Vajdik
2100 West Madison
Maywood, Illinois 60153

Application No.: 82050050

I.D. No.: 031183ACB

Applicant's Designation: 0311830002

Date Received: March 22, 2002

Subject: Bottle and Can Crusher

Date Issued: November 19, 2003

Expiration Date: November 19, 2008

Location: 2010 West Madison, Maywood

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of crushing unit with filtration and carbon adsorption and drum shredder unit pursuant to the above-referenced application. This Permit is subject to standard conditions attached hereto and the following special condition(s):

- 1a. This federally enforceable state operating permit is issued to limit the emissions of air pollutants from the source to less than major source thresholds (i.e., volatile organic materials (VOM) to less than 25 tons/year). As a result the source is excluded from the requirement to obtain a Clean Air Act Permit Program (CAAPP) permit. The maximum emissions of this source, as limited by the conditions of this permit, are described in Attachment A.
- b. Prior to issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all operating permits issued for this location.
2. The emissions of hazardous air pollutants (HAPs) as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish in rule which would require the Permittee to obtain a CAAPP permit from the Illinois EPA. As a result of this condition, this permit is issued based on the emissions of any HAP from this source not triggering the requirement to obtain a CAAPP permit from the Illinois EPA.
3. Emissions and operation of crushing and shredding units shall not exceed the following limits:

<u>Equipment</u>	<u>Throughput</u>		<u>Pollutant</u>	<u>Emission Factor (Lb/1,000 Cans)</u>	<u>Emissions</u>	
	<u>(Lb/Hr)</u>	<u>(Lb/Yr)</u>			<u>(Lb/Hr)</u>	<u>(Ton/Yr)</u>
Crushing Unit with Filtration and Carbon Adsorption	2,000	6,000,000	PM	*	2.6	3.90
			VOM	80.3	16.06	24.09

<u>Equipment</u>	<u>Throughput</u>		<u>Pollutant</u>	<u>Emission Factor</u>	<u>Emissions</u>	
	<u>(Lb/Hr)</u>	<u>(Lb/Yr)</u>		<u>(Lb/1,000 Cans)</u>	<u>(Lb/Hr)</u>	<u>(Ton/Yr)</u>
Drum Shredder	2,000	1,040,000	PM	*	2.6	0.696
			VOM	**	0.1	0.44

* Based on allowable rate from 35 Ill. Adm. Code 212.321.

** Negligible emission rates.

These limits are based on allowable emission rates from 35 Ill. Adm. Code 212.321, 520 hours of operation for the shredder, 3,000 hours of operation of the crushing unit, 1 can = 1 lb, 1 drum = 100 lb, and information provided in the permit application. Compliance with annual limits shall be determined from a running total of 12 months of data.

4. The Permittee shall, in accordance with the manufacturer(s) and/or vendor(s) recommendations, perform periodic maintenance on the pollution control equipment covered under this permit such that the pollution control equipment be kept in proper working condition and not cause a violation of the Environmental Protection Act or regulations promulgated therein.
5. The Permittee shall maintain records of the vendor recommendations at the facility and be available for inspection and copying by the Illinois EPA.
6. In the event that the operation of this emission unit results in an odor nuisance, the Permittee shall take appropriate and necessary actions to minimize odors, including but not limited to, changes in raw material or installation of controls, in order to eliminate the odor nuisance.
7. No person shall cause or allow any visible emissions of fugitive particulate matter from any process, including any material handling or storage activity beyond the property line of the emission source, pursuant to 35 Ill. Adm. Code 212.301.
8. Pursuant to 35 Ill. Adm. Code 218.105(d) (2) (A) (iii), an owner or operator that uses a carbon adsorber shall use Illinois EPA and USEPA approved continuous monitoring equipment, which is installed, calibrated, maintained, and operated according to vendor specifications at all times the carbon adsorber is in use. The continuous monitoring equipment must monitor the volatile organic material (VOM) concentration of each carbon adsorption bed exhaust or the exhaust of the bed next in sequence to be desorbed.
9. Aerosol containers containing toxic products or flammable products, such as paints, herbicides, insecticides, and pesticides are not permitted for processing. If such toxic materials are received, they can be stored for shipment to an alternative permitted facility or be returned to the generator without being processed. Please note that the receipt of these types of materials will require a permit from the Division of Land Pollution Control. Please contact the Division of Land Pollution Control at 217/782-6762 for more information.

10. The Permittee shall maintain the following records:
 - a. Hours of operation for the shredder unit (hours/mo and hours/yr);
 - b. Hours of operation of the crushing unit (hours/mo and hours/yr);
 - c. Amount and composition of the materials processed by the shredder and crushing units (ton/mo and ton/yr); and
 - d. Total VOM emissions for the facility (lb/mo and ton/yr).
11. 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 an Illinois EPA or USEPA request for records during the course of a source inspection.
12. 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.
13. 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, 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
9511 West Harrison
Des Plaines, Illinois 60016
14. The Permittee shall submit the following additional information with the Annual Emissions Report, due May 1st of each year:
 - a. Amount of aerosol cans processed (cans/mo and cans/yr); and
 - b. Amount of drums processed (drums/mo and drums/yr).

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

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

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cc: Illinois EPA, FOS Region 1
Illinois EPA, Compliance Section
Lotus Notes
Permit Section, Bureau of Land

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from the aerosol can crushing 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 facility crushes a maximum of 6,000,000 cans per year. The resulting maximum emissions are well below the levels, e.g., 25 tons per year of VOM 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.

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