

3. This permit is issued based on negligible emission of volatile organic materials (VOM) from the air stripper. For this purpose, emissions shall not exceed nominal emission rate of 0.1 lb/hour and 0.44 ton/year.
4. This permit is issued based on negligible emissions of volatile organic material from videojet printer. For this purpose, emissions shall not exceed nominal emission rates of 0.1 lb/hour and 0.44 ton/year.
- 5a. The catalytic afterburner shall be equipped with a continuous monitor that will measure the temperature rise across the catalytic afterburner bed. It shall be installed, calibrated, maintained and operated according to manufacturer's specifications at all times the afterburner is in use.
- b. The afterburner combustion chamber shall be preheated to at least the manufacturer's recommended temperature but no less than the temperature at which the afterburner was operating during the most recent stack test. This temperature shall be maintained during operation.
6. The emissions of HAPs as listed in Section 112(b) of the Clean Air Act shall not equal or exceed 10 tons per year of any single HAP or 25 tons per year of any combination of such HAPs, or such lesser quantity as USEPA may establish by rule which would require the Permittee to obtain a Clean Air Act Permit Program 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 Clean Air Act Permit Program permit from the Illinois EPA.
7. The Permittee shall maintain monthly records of the following items:
 - a. The name and identification number of each coating and solvent used;
 - b. The usage (gal/month), density (lb/gal), VOM and HAP content (weight percent or lb/gal) of each coating and solvent; and
 - c. The VOM and HAP emission for current month and total running for last 12 months (ton/month, ton/yr).
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 Illinois EPA's Compliance Section in Springfield, Illinois within 30 days after the exceedance. The report shall include the emissions released, 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:
 - a. Coating and solvent usage (tons/year).
 - b. Their VOM and HAP content (wt. %).

If there have been no exceedances during the prior calendar year, the Annual Emission Report shall include a statement to that effect.

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 Illinois EPA
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 Illinois EPA
Division of Air Pollution Control
209 Mall Street
Collinsville, Illinois 62234

It should be noted that this permit has been revised to correct the equipment permitted and change emissions information of soldering lines.

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: Region 3

Attachment A - Emissions Summary

This attachment provides a summary of the maximum emission from the automotive electronics manufacturing plant 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 a usage of 46,000 gallons of VOM containing raw materials per year. The resulting maximum emissions are well below the levels, e.g., 100 tons per year of VOM, 10 tons per year for a single HAP, and 25 tons per year for totaled HAP, 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. Emissions and operation of the equipment shall not exceed the following limits:

- a. Six Coating Lines (Total):

<u>Raw Material</u>	<u>Raw Material Usage</u> (Gal/Mo) (Gal/Yr)		<u>VOM Content</u> (Lb/Gal)	<u>Control Efficiency</u> (Wt.%)	<u>VOM Emissions</u> (Lb/Mo) (T/Yr)	
Coating	2,000	24,000	5.00	95	500	3.0
Toluene	2,000	24,000	7.22	95	722	4.33

- b. Nine Soldering Lines:

<u>Raw Material</u>	<u>VOM Usage</u> (Lb/Mo) (Lb/Yr)		<u>VOM Emissions</u> (Lb/Mo) (Ton/Yr)	
Solder Flux	200	2,000	200	1.00

These limits are based on the maximum production rate and assumption that 100% of VOM in the raw materials are evaporated. Compliance with annual limits shall be determined from a running total of 12 months of data.

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