

b. Printed circuit board manufacture

<u>Equipment</u>	<u>VOM Usage (Ton/Year)</u>	<u>VOM Emissions (Ton/Year)</u>
Desmear line	0.300	0.300
Black hole line	0.300	0.300
Two auto silk screen presses & oven	6.576	6.576
Seven manual silk screen presses with four batch ovens		
LPI curtain coater	6.300	6.300
Electroplating	6.000	6.000
IR reflow oven, and	0.300	0.300
Hot air leveler	1.800	1.800
Manufacturing Total	<u>3.000</u>	<u>3.000</u>
	24.576	24.576

Compliance with the above annual limits shall be determined on a monthly basis using the last 12 months of operating data.

3. The Permittee shall maintain records of the following items, and such other items as may be appropriate to allow the Illinois EPA to review compliance with the limits of this permit.
 - a. Natural gas usage (mmcf/month);
 - b. VOM containing material usage including cleanup solvents, (gallon/month), density (lbs/gallon), and VOM and hazardous air pollutant (HAP) content for each of the above listed manufacturing processes; and
 - c. Calculated VOM emissions from each of the above listed combustion and manufacturing processes based upon standard emission factors and material balance respectively using the required records.

4. 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 any 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.

5. 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.

6. 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.
7. 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
Eisenhower Tower
1701 South First Avenue
Maywood, Illinois 60153

8. Annual emissions of regulated air pollutants shall not exceed 3.692 tons/year particulate matter, 0.003 tons/year sulfur dioxide, 0.4 tons/year nitrogen oxides and 24.60 tons/year volatile organic material, which shall be the permitted emissions for this site.

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

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

DES:JDC:psj

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

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from printed circuit board manufacturing 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. By limiting the usage of raw materials containing volatile organic materials the resulting evaporation and emissions of volatile organic material is limited. The required recordkeeping of material usage, VOM and HAP content allows the calculation of VOM and HAP usage and emissions. The resulting maximum emissions are well below the levels, e.g., 25 tons per year of volatile organic material 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.

1. Emissions and operation shall not exceed the following limits:

a. Natural gas combustion

<u>Equipment</u>	<u>Natural Gas Usage</u> (mmcf/Yr)	<u>VOM Emissions</u> (Ton/Yr)
Combustion Units	10	0.021

Compliance with the above annual limits shall be determined on a monthly basis using the last 12 months of operating data and standard emission factors.

b. Printed circuit board manufacture

<u>Equipment</u>	<u>VOM Usage</u> (Ton/Year)	<u>VOM Emissions</u> (Ton/Year)
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