

217/782-2113

FEDERALLY ENFORCEABLE STATE OPERATING PERMIT -- REVISED  
SOLVENT CLEANING MACHINE -- NESHAP SOURCE

PERMITTEE

Meco, Inc.  
Attn: Mr. Larry St. John or Brian Scott  
225 West Morgan Avenue  
Evansville, Indiana 47710

<u>Application No.:</u> 88080018	<u>I.D. No.:</u> 045030ABR
<u>Applicant's Designation:</u> ETCH LINE	<u>Date Received:</u> May 3, 2006
<u>Subject:</u> Degreasers	
<u>Date Issued:</u> June 12, 2006	<u>Expiration Date:</u> July 11, 2008
<u>Location:</u> 2121 South Main Street, Paris	

This permit is hereby granted to the above-designated Permittee to OPERATE emission unit(s) and/or air pollution control equipment consisting of:

Two Open Top Vapor Degreasers  
One Etch/Cleaning Line with Scrubber

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 the levels at which the source would be a major source, (i.e., 10 tons/year of each single Hazardous Air Pollutant (HAP) and 25 tons/year for all combined HAPs), as further described in Attachment A. As a result, the source is excluded from the requirements to obtain a Clean Air Act Permit Program (CAAPP) permit.
- b. Prior to initial issuance, a draft of this permit has undergone a public notice and comment period.
- c. This permit supersedes all current permits issued for this location.
- 2a. This permit is issued based on usage and emissions of volatile organic material (VOM) from the etch/cleaning line with scrubber being less than 3 lbs/hour and 15 lbs/day, thereby exempting the line from the cold cleaning requirements of 35 Ill. Adm. Code 215.184, pursuant to 215.181.
  - b. Usage and emissions of Volatile Organic Material (VOM) from the etch/cleaning line with scrubber shall not exceed 3 lbs/hour, 15 lbs/day and 2.7 tons/year. This limit is based on 35 Ill. Adm. Code 215.181 and operating (365 days/year). Compliance with annual limits shall be determined from a running total of 12 months of data.

- c. 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.
3. The Permittee shall maintain monthly records of:
- a. All VOM containing materials used (tons/month) and their VOM contents (weight %);
  - b. Operating hours (hours/month); and
  - c. VOM emission calculations (lbs/hour, lbs/day, tons/year).
4. The emissions of Hazardous Air Pollutants (HAP) as listed in Section 112(b) of the Clean Air Act shall be less than 10 tons/year of any single HAP and 25 tons/year of any combination of such HAPs. As a result of this condition, this permit is issued based on the emissions of all HAPs from this source not triggering the requirements to obtain a Clean Air Act Permit Program Permit (CAAPP), and Section 112(G) of the Clean Air Act.
- 5a. The solvent cleaning machine(s) are subject to 40 CFR part 63, Subpart T - National Emission Standards for Halogenated Solvent Cleaning. The Illinois EPA is administering this regulation in Illinois on behalf of the United States EPA under a delegation agreement. The United States EPA issued this final rule on December 2, 1994.
- b. The Permittee must be in compliance with 40 CFR Part 63, Subpart T - National Emissions Standards for Halogenated Solvent Cleaning on or before December 2, 1994 or immediately upon startup whichever is later.
  - c. Source wide usage and emissions of perchloroethylene shall not exceed the following limits:

Solvent <sup>1</sup> Usage		HAP <sup>2</sup> Emissions	
<u>(Gallons/Month)</u>	<u>(Gallons/Year)</u>	<u>(Lb/Month)</u>	<u>(Tons/Year)</u>
121.5	1,458	1,650	9.9

These limits are based on maximum solvent usage indicated in the permit application. Emission limits are based on a perchloroethylene density of 13.58 lbs/gallon and determined by material balance.

<sup>1</sup> Perchloroethylene is the solvent used.

<sup>2</sup> HAPs as identified in Section 112(b) of the Clean Air Act as amended in 1990. Perchloroethylene (tetrachloroethylene) is listed as a HAP.

- d. 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.
- e. The Permittee shall use only perchloroethylene (tetrachloroethylene) as solvent.
- 6a. For determination of compliance with the limits of this permit, solvent usage shall be determined by the following equation:

$$U = V - (W \times P)$$

Where:

U = Solvent usage for compliance determinations (gallons).

V = Virgin solvent<sup>A</sup> added to the solvent cleaning machines (gallons), as determined by daily addition log sheets.

W = Waste solvent<sup>B</sup> removed from the solvent cleaning machines and sent off-site for reclamation or disposal, as determined by monthly manifests.

P = Percent concentration of solvent in waste, as determined by analysis/testing<sup>C</sup>.

<sup>A</sup> For purposes of this permit, virgin solvent is defined as unused solvent.

<sup>B</sup> For purposes of this permit, waste solvent is defined as used solvent.

<sup>C</sup> The percent concentration of solvent in waste (P) shall be determined in accordance with USEPA Test Methods for Evaluation of Solid Waste, Physical/Chemical Methods (SW-846), Test Method 8260.

- b. Compliance with the monthly organic material emission limits shall be calculated using the solvent density as specified in the Material Safety Data Sheet, and the solvent usage (U) per month, as follows:

$$\begin{aligned} \text{Emissions} &= \text{Solvent Usage (U)} \times \text{Solvent Density} \\ (\text{lbs/month}) &= (\text{gallon/month}) \quad \times \quad (\text{lbs/gallon}) \end{aligned}$$

- 7. Each solvent cleaning machine must meet the following base design requirements, pursuant to 40 CFR, Part 63.463.
  - a. Each solvent cleaning machine must be equipped with an idling or downtime mode cover that completely covers the machine openings. The cover must be periodically inspected to ensure that it remains free of cracks, holes, and other defects. The cover must

be closed at all times except during the cleaning, solvent removal, maintenance and monitoring of the degreasers.

- b. A freeboard ratio of 0.75 or greater must be maintained for each solvent cleaning machine.
  - c. Each solvent cleaning machine must have an automated parts handling system that handles parts from initial loading to removal of cleaned parts. If the Permittee wants to use manual hoist, the Permittee must demonstrate to the Illinois EPA that the hoist can never exceed 11 feet per minute.
  - d. Each solvent cleaning machine must be equipped with a liquid and vapor level control device(s) that shuts off the sump heat if the sump liquid level drops to the sump heater coils or the vapor level rises above the height of the primary condenser and such device(s) must be operational at all times.
  - e. Each solvent cleaning machine must be equipped with a primary condenser to provide continuous condensation or rising solvent vapors and to create a controlled vapor zone.
  - f. Each solvent cleaning machine with lip exhaust control must be controlled by a carbon adsorption unit.
8. The Permittee shall comply with the following work and operational practice, requirements and post in the work place a one page summary of work practices, pursuant to 40 CFR Part 63.463(d).
- a. Conduct maintenance as per manufacturer's recommendation to ensure that each solvent cleaning machine works properly. Any alternative maintenance practice must be approved by the USEPA.
  - b. Each solvent cleaning machine shall be covered to minimize air disturbances in the machine and the room at all times except during the cleaning, removal of solvent, maintenance and monitoring. If a cover cannot be used, air disturbances shall be controlled by Reduced Room Draft. Room draft shall not exceed 50 feet/minute.
  - c.
    - i. A speed of 3 feet/minute or less shall be maintained between entry and removal of parts basket or parts.

or

    - ii. Parts basket or parts size shall be less or equal to 50% of the solvent air interface area.
  - d. If cleaning operation involves spraying, spraying must be performed within the vapor zone (i.e., a baffled or enclosed area of the solvent cleaning machine).

- e. The Permittee must ensure that parts or parts basket are positioned so that solvent drains freely and parts basket or parts are not removed from the machine until parts are clean and solvent dripping has stopped.
- f. During the startup, the Permittee must turn on the primary condenser prior to turning on the sump pump and during shutdown, turn off the sump heater prior to turning off the primary condenser.
- g. The Permittee must add and remove solvent with leak-proof couplings. The end of the pipe or hose introducing or withdrawing the solvent be located beneath the liquid solvent surface (i.e., submerged filling) in the sump.
- h. The Permittee must collect and store the waste solvent, still bottoms, and sump bottoms in a closed container. Absorbent materials such as sponges, fabric, wood, and paper products shall not be cleaned.
- i. Each operator of a solvent cleaning operation must be ready to take and pass an Operator Test at any time during the normal operation of the plant.
- j. The cleaning machine shall have an automated parts handling system capable of moving parts or parts baskets at a speed of 3.4 meters per minute (11 feet per minute) or less from the initial loading of parts through removal of cleaned parts [40 CFR 63.463(a)(3)].
- k. The vapor cleaning machine shall be equipped with a device that shuts off the sump heat if the sump liquid solvent level drops to the sump heater coils [40 CFR 63.463(a)(4)].
- l. The vapor cleaning machine shall be equipped with a vapor level control device that shuts off sump heat if the vapor level in the vapor cleaning machine rises above the height of the primary condenser [40 CFR 63.463(a)(5)].
- m. The vapor cleaning machine shall have a primary condenser [40 CFR 63.463(a)(6)].
- n. Cover(s) to each solvent cleaning machine shall be in place during the idling mode, and during the downtime mode unless either the solvent has been removed from the machine or maintenance or monitoring is being performed that require the cover(s) to not be in place [40 CFR 63.463(d)(1)(I)].
- o. The parts baskets or the parts being cleaned in an open-top batch vapor cleaning machine shall not occupy more than 50 percent of the solvent/air interface area unless the parts baskets or parts are introduced at a speed of 0.9 meters per minute (3 feet per minute) or less [40 CFR 63.463(d)(2)].

- p. Any spraying operations shall be done within the vapor zone or within a section of the solvent cleaning machine that is not directly exposed to the ambient air (i.e., a baffled or enclosed area of the solvent cleaning machine) [40 CFR 63.463(d) (3)].
- q. Parts shall be oriented so that the solvent drains from them freely. Parts having cavities or blind holes shall be tipped or rotated before being removed from any solvent cleaning machine [40 CFR 63.463(d) (4)].
- r. Parts baskets or parts shall not be removed until dripping has stopped [40 CFR 63.463(d) (5)].
- s. During startup of each vapor cleaning machine, the primary condenser shall be turned on before the sump heater [40 CFR 63.463(d) (6)].
- t. During shutdown of each vapor cleaning machine, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off [40 CFR 63.463(d) (7)].
- u. When solvent is added or drained from any solvent cleaning machine, the solvent shall be transferred using threaded or other leakproof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface [40 CFR 63.463(d) (8)].
- v. Each solvent cleaning machine and associated controls shall be maintained as recommended by the manufacturers of the equipment or using alternative maintenance practices that have been demonstrated to the Illinois EPA's satisfaction to achieve the same or better results as those recommended by the manufacturer [40 CFR 63.463(d) (9)].
- w. Each operator of a solvent cleaning machine shall complete and pass the applicable sections of the test of solvent cleaning operating procedures pursuant to 40 CFR, Part 63 Subpart T Appendix A if requested during an inspection by the Illinois EPA [40 CFR 63.463(d) (10)].
- x. Waste solvent, still bottoms, and sump bottoms shall be collected and stored in closed containers. The closed containers may contain a device that would allow pressure relief, but would not allow liquid solvent to drain from the container [40 CFR 63.463(d) (11)].
- y. Sponges, fabric, wood, and paper products shall not be cleaned in the solvent cleaning machine [40 CFR 63.463(d) (12)].

9. Each machine must meet the following control combination (and) requirements of Freeboard Refrigeration Device, Reduced Room Draft, Dwell, and Freeboard ration of 1, pursuant to 40 CFR Part 63.463:
  - a. For Freeboard Refrigeration Device (FRD), chilled air blanket temperature at the center of the air blanket shall not exceed 74°F while using perchloroethylene.
    - i. Pursuant to 40 CFR 63.466(a)(1), the temperature measurements must be conducted on weekly basis at the center of the air blanket above the vapor zone during the idling mode. The temperature measurements can be taken by attaching a thermometer or a thermocouple to the parts basket or hoist hook and lowering it into the machine so that it is in the center of the air blanket above the vapor zone.
  - b. For Reduced Room Draft (RRD), pursuant to 40 CFR 63.466(d), windspeed in room or within enclosure must be less than or equal to 50 feet/minute.
    - i. If windspeed in room is maintained by controlling room conditions, an initial test and a quarterly test shall be conducted to establish room condition. Also, room condition must be reestablished immediately if condition change. The Permittee shall monitor room condition every week.
    - ii. If windspeed in room is maintained by using a enclosure, an initial and a monthly test shall be conducted to measure windspeed in enclosure. Also, windspeed in the enclosure must be remeasured immediately if condition change. The Permittee shall inspect condition of enclosure every month.
  - c.
    - i. The Permittee shall ensure and obtain certification from the manufacturer that the freeboard height is greater than or equal to the width of the interior freeboard. Freeboard ratio shall be determined by dividing the height of freeboard to the smallest interior freeboard width. If the freeboard ratio is less than 1.0, the Permittee shall immediately correct the freeboard ratio.
    - ii. Record of Freeboard Ratio and any modification to the Freeboard Ratio.
  - d.
    - i. The Permittee shall determine the dwell time for parts to be cleaned. The dwell time is determined as follows:
      - A. Using a stopwatch, measure the amount of time takes for the parts or parts baskets to cease dripping once placed in the vapor zone. This is the primary cleaning time.

- B. The dwell time shall be greater than or equal to 35% of the primary cleaning time.
  - ii. The Permittee shall ensure that parts are held in the freeboard area above the vapor zone for the determined dwell time. A monthly measurement of the actual dwell time shall be conducted.
  - iii. Record dwell time determination in second and time measurement calculations for life time.
- 10a. The Permittee shall comply with the following monitoring procedures requirements, pursuant to 40 CFR Part 63.466.
- i. The Permittee shall conduct monitoring and record the results on a weekly basis for Free Board Refrigeration Device, pursuant to 40 CFR Part 63.466(a)(1). A thermometer or thermo couple shall be used to measure the temperature at the center of the air blanket during the idling mode.
  - ii. The Permittee shall conduct monitoring and record the results on a monthly basis for the cover (working-mode, downtown-mode, and/or idling mode cover), pursuant to 40 CFR 63.466(b)(1). A visual inspection to be conducted to determine if the cover is opening and closing properly, completely covers the cleaning machine openings when closed, and is free of cracks, holes, and other defects.
  - iii. The Permittee shall conduct monitoring and record the results on a monthly basis for the dwell, pursuant to 40 CFR Part 63.466(b)(2). The Permittee shall determine the actual dwell time by measuring the period of time that parts are held within the freeboard area of the solvent cleaning machine after cleaning.
  - iv. The Permittee shall conduct an initial monitoring test of the windspeed and of room parameters, quarterly monitoring of windspeed, and weekly monitoring of room parameters as per following procedures, pursuant to 40 CFR Part 63.466(d).
    - A. Measure the windspeed within 6 inches above the top of the freeboard area of the solvent cleaning machine using the following procedure.
      - 1. Determine the direction of the wind current by slowly rotating a velometer or similar device until the maximum speed is located.
      - 2. Orient a velometer in the direction of the wind current at each of the four corners of the machine.
      - 3. Record the reading for each corner.

4. Average the values obtained at each corner and record the average wind speed.
- B. Monitor on a weekly basis the room parameters established during the initial compliance test that are used to achieve the reduced room draft.
  - C. If an enclosure (full or partial) is used to achieve a reduced room draft, the owner or operator shall conduct an initial monitoring test and thereafter, monthly monitoring tests of the windspeed within the enclosure using the procedure specified above and a monthly visual inspection of the enclosure to determine if it is free of cracks, holes and other defects.
    1. Determine the direction of the wind current in the enclosure by slowly rotating a velometer inside the entrance to the enclosure until the maximum speed is located.
    2. Record the maximum wind speed.
- b. The Permittee shall comply with the following monitoring procedures, pursuant to 40 CFR Part 63.466(c).
    - i. The Permittee shall determine the hoist speed by measuring the time it takes for the hoist to travel a measured distance. The speed is equal to the distance in meters divided by the time in minutes (meters per minute).
    - ii. The monitoring shall be conducted monthly. If after the first year no exceedances of the hoist speed are measured the Permittee may begin monitoring the hoist speed quarterly.
    - iii. If an exceedance of the hoist speed occurs during quarterly monitoring the monitoring frequency returns to monthly until another year of compliance without an exceedance is demonstrated.
    - iv. If the Permittee can demonstrate to the Illinois EPA's satisfaction in the initial compliance report that the hoist cannot exceed a speed of 11 feet per minute, the required monitoring frequency is quarterly, including during the first year of compliance.
- 11a. The Permittee shall retain the following records on paper or computer disk for the lifetime of each solvent cleaning machine, pursuant to 40 CFR Part 63.467(a):
    - i. An owners manual or a written maintenance and operating procedure for each machine and each piece of control equipment.

- ii. The installation date of each machine. If installation date isn't available, a letter certifying that machine was installed prior to or on or after November 29, 1993, to determine compliance option for existing or new source.
  - iii. Records of the halogenated HAP solvent content of each solvent used in each solvent cleaning machine.
  - iv. Record of the test to determine an appropriate dwell time for each part or parts basket.
- b. The Permittee shall retain the following records in electronic or written form for a period of 5 years, pursuant to 40 CFR Part 63.467(b).
- i. The results of control device monitoring required under 40 CFR Part 63.466.
  - ii. The Permittee shall keep the weekly freeboard air temperature measurements.
  - iii. The Permittee shall keep weekly record of room condition and windspeed.
  - iv. The Permittee shall keep monthly enclosure inspection results and windspeed measurement.
  - v. Record of freeboard ratio and any modification to the freeboard ratio.
  - vi. Record of dwell time determination in second and monthly actual dwell time determination calculation.
  - vii. Estimates of annual solvent consumption for each solvent cleaning machine.
12. The Permittee shall comply with the following reporting requirements, pursuant to 40 CFR Part 63.468:
- a. An initial statement of compliance report demonstrating each machine is in compliance. The initial compliance report shall include the following:
    - i. Name and address.
    - ii. Facility location address.
    - iii. A list of control equipment (i.e., FRD, RRD) used on each machine to comply with the rule.
    - iv. For each piece of control equipment required to be monitored, a list of the parameters that are monitored and the values of these parameters measured on or during the first month after the compliance date.

- v. For Reduced Room Draft (RRD), the weekly record of room temperature and windspeed or monthly enclosure inspection results and windspeed measurement.
- b. An annual compliance report must be submitted by February 1, of the year following the year the report covers. The compliance report shall include the following:
  - i. A statement, signed by the owner or operator or someone designate, stating that, "All operators of solvent cleaning machines have received training on the proper operation of solvent cleaning machines and their control devices sufficient to pass the test required by 40 CFR 63.463(d)(10)."
  - ii. Solvent consumption and HAP emissions for each machine in lb/month and ton/year, for the reporting period.
- c. An exceedance report shall be submitted every 6 months if there is not an exceedance, and every 3 months if there is an exceedance. If an exceedance did not occur the report would consist of a statement certifying that there were no exceedances. The frequency of the exceedance report will increase to quarterly after an exceedance occurs. The quarterly exceedance report shall include the following:
  - i. Information on the actions taken to comply with 40 CFR Part 63.463(e) and (f). This information shall include records of written or verbal orders for replacement parts, a description of the repairs made, and additional monitoring conducted to demonstrate that monitored parameters have returned to accepted levels.
  - ii. If an exceedance has occurred, the reason for the exceedance and a description of the actions taken.
  - iii. If no exceedances of a parameter have occurred, or a piece of equipment has not been inoperative, out of control, repaired, or adjusted, such information shall be stated in the report.
- d. The Permittee shall submit an exceedance report 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.
- 13a. Pursuant to 35 Ill. Adm. Code 215.183, no person shall operate the open top vapor degreasers unless:
  - i. The cover of the degreaser is closed when workloads are not being processed through the degreaser;
  - ii. Solvent carryout emissions are minimized by:

- A. Racking parts to allow complete drainage;
  - B. Moving parts in and out of the degreaser at less than 3.3 m/min (11 ft/min);
  - C. Holding the parts in the vapor zone until condensation ceases;
  - D. Tipping out any pools of solvent on the cleaned parts before removal from the vapor zone; and
  - E. Allowing parts to dry within the degreaser until visually dry.
- iii. Porous or absorbent materials, such as cloth, leather, wood or rope are not degreased;
  - iv. Less than half of the degreaser's open top area is occupied with a workload;
  - v. The degreaser is not loaded to the point where the vapor level would drop more than 10 cm (4 in) when the workload is removed from the vapor zone;
  - vi. Spraying is done below the vapor level only;
  - vii. Solvent leaks are repaired immediately;
  - viii. Waste solvent is stored in covered containers only and not disposed of in such a manner that more than 20% of the waste solvent (by weight) is allowed to evaporate into the atmosphere;
  - ix. Water is not visually detectable in solvent exiting from the water separator; and
  - x. Exhaust ventilation exceeding 20 cubic meters per minute per square meter (65 cubic feet per minute per square foot) of
- b. No person shall operate the open top vapor degreasers unless:
    - i. The degreaser is equipped with a cover designed to open and close easily without disturbing the vapor zone;
    - ii. The degreaser is equipped with the following switches:
      - A. A device which shuts off the sump heat source if the amount of condenser coolant is not sufficient to maintain the designed vapor level; and

- B. A device which shuts off the spray pump if the vapor level drops more than 10 cm (4 in) below the bottom condenser coil; and
  - C. A device which shuts off the sump heat source when the vapor level exceeds the design level.
- iii. A permanent conspicuous label summarizing the operating procedures is affixed to the degreaser;
  - iv. The degreaser is equipped with one of the following devices:
    - A. A freeboard height of 3/4 of the inside width of the degreaser tank or 91 cm (36 in), whichever is less; and if the degreaser opening is greater than 1 square meter (10.8 square feet), a powered or mechanically assisted cover; or
    - B. Any other equipment or system of equivalent emission control as approved by the Illinois EPA. Such equipment or system may include a refrigerated chiller, an enclosed design or a carbon adsorption system.
14. All records and logs required by this permit shall be retained at a readily accessible location at the source for at least five years from the date of entry and shall be made available for inspection and copying by the Illinois EPA 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.
15. If there is an exceedance of or deviation from 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/deviation. 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 deviation and efforts to reduce emissions and future occurrences.
16. Two (2) copies of required reports and notifications 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  
2009 Mall Street  
Collinsville, Illinois 62234

It should be noted that all natural gas combustion units and the five Laserdyne cutting machines are exempt from state permit requirements, pursuant to 35 Ill. Adm. Code 201.146 (c), (d) and (aa), respectively.

It should be noted that this permit has been revised to include operation of the equipment described in Construction Permit 99050049.

Please note that the etch/cleaning line has been added to this permit.

Please note that the old address has been removed from this permit.

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

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

DES:RBS:psj

cc: Region 3  
Brad Frost/Lotus Notes

Attachment A - Emission Summary

This attachment provides a summary of the maximum emissions from the Mecro 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. The resulting maximum emissions are below the levels, e.g., 10 tons per year of a single 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 less material is handled and control measures are more effective than required in this permit.

	VOM <u>(Tons/Year)</u>	HAPs Single <u>(Tons/Year)</u>	Combined <u>(Tons/Year)</u>
2 Degreasers		< 10	< 25
1 Etch/Cleaning Line	<u>2.7</u>		
Totals	<u>2.7</u>	<u>&lt; 10</u>	<u>&lt; 25</u>

RBS:psj