



**STATE OF CONNECTICUT
DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT**

**NEW SOURCE REVIEW PERMIT
TO CONSTRUCT AND OPERATE
A STATIONARY SOURCE**

Issued pursuant to Title 22a of the Connecticut General Statutes (CGS) and Section 22a-174-3a of the Regulations of Connecticut State Agencies (RCSA).

Owner/Operator:	AMETEK, Specialty Metal Products Division
Address:	21 Toelles Road, P.O. Box 5807, Wallingford, CT
Equipment Location:	21 Toelles Road, Wallingford, CT
Equipment Description:	Baron Blakeslee Continuous Web Degreasing Unit

Town-Permit Number:	189-0217
Premises Number:	142
Permit Issue Date:	January 31, 2008
Expiration Date:	

/s/Gina McCarthy
Gina McCarthy
Commissioner

1/31/08
Date

PERMIT FOR METAL CLEANING AND/OR SURFACE PREPARATION
STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

The conditions on all pages of this permit and attached appendices shall be verified at all times except those noted as design specifications. Design specifications need not be verified on a continuous basis; however, if requested by the commissioner, demonstration of compliance shall be shown.

PART I. OPERATIONAL CONDITIONS

Solvent Metal Cleaning Process

A. Enforceable Conditions:

- 1. Allowable Solvent(s): Trichloroethylene (TCE)
2. Maximum Solvent(s) Consumption (lb/yr): 37,869

Solvent Consumption means the amount of solvent added to the solvent cleaning machine during the measurement period plus any differential in the solvent contained in the reservoir at the beginning and ending of the measurement period.

lb/yr means pounds per 12 consecutive months.

B. Design Specifications:

- 1. Type of Solvent Cleaning Machine: [X] Conveyorized (In-line), [] Open Top Vapor (Batch), [] Cold (Batch)
2. Solvent Recovery Still: [X] Yes, [] No
3. Maximum Hourly Solvent(s) Consumption (lb/hr): 4.3
4. Tank Width (ft.): 2.5
5. Tank Length (ft.): 6.5
6. Tank Surface Area (sq. ft.): 16.3
7. Tank Volume (gal.): 790
8. Freeboard Height (ft.): 3.2

C. Design Requirements:

The Permittee shall ensure that the solvent cleaning machine conforms to the control technique requirements specified in subparagraphs labeled "1" - "3" below as set forth in 40 CFR §63.463(g), which may be amended from time to time. The solvent cleaning machine shall:

- 1. Have a freeboard ratio of 0.75 or greater.
2. Be equipped with a vapor level control device that shuts off sump heat if the vapor level rises above the height of the primary condenser.
3. Have a primary condenser.

FIRM NAME: AMETEK, Specialty Metal Products Division
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PERMIT FOR METAL CLEANING AND/OR SURFACE PREPARATION
STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

PART I. OPERATIONAL CONDITIONS, continued

D. Work and Operational Practices:

For the solvent cleaning machine, the Permittee shall meet all of the following required work and operational practices in subparagraphs "1" - "7" specified below as set forth in 40 CFR §63.463(g) which may be amended from time to time:

1. Any spraying operations shall be conducted in 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).
2. During startup of the solvent cleaning machine, the primary condenser shall be turned on before the sump heater.
3. During shutdown of the solvent cleaning machine, the sump heater shall be turned off and the solvent vapor layer allowed to collapse before the primary condenser is turned off.
4. When solvent is added or drained from the solvent cleaning machine, the solvent shall be transferred using threaded or other leak-proof couplings and the end of the pipe in the solvent sump shall be located beneath the liquid solvent surface.
5. The solvent cleaning machine and associated controls shall be maintained as recommended by the manufacturer of the equipment or using alternative maintenance practices that have been demonstrated to the Commissioner's satisfaction to achieve the same or better results as those recommended by the manufacturer.
6. Sponges, fabric, wood, and paper products shall not be cleaned. This prohibition does not apply to absorbent materials used as part of the cleaning process of continuous web cleaning machines, including rollers and roller covers.
7. Waste solvent, still bottoms, sump bottoms and waste absorbent materials used in the cleaning process for continuous web cleaning machines 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.

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STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

PART II. CONTROL EQUIPMENT

A. Type

- | | | |
|--|--|---|
| <input type="checkbox"/> None | <input type="checkbox"/> Acid Gas Scrubber | <input type="checkbox"/> Baghouse |
| <input type="checkbox"/> Carbon Adsorber | <input type="checkbox"/> Condenser | <input checked="" type="checkbox"/> Freeboard Refrigeration |
| <input type="checkbox"/> Mist Eliminator | <input type="checkbox"/> Incinerator | <input checked="" type="checkbox"/> Other: Squeegee System |

B. Control Combination:

The Permittee shall install, maintain and operate the following control combination on the solvent cleaning machine:

1. Superheated vapor and a freeboard refrigeration device [40 CFR §63.463(g) (1) (ii) (A)]

PART III. CONTINUOUS EMISSIONS MONITORING REQUIREMENTS AND ASSOCIATED EMISSION LIMITS

CEM shall be required for the following pollutant/operational parameters; and enforced on the following basis:

<u>Pollutant/Operational Parameter</u>	<u>Averaging Times</u>	<u>Emission Limit</u>	<u>Units</u>
<input checked="" type="checkbox"/> None			
<input type="checkbox"/> Opacity	six minute block		
<input type="checkbox"/> CO ₂	1 hour block		
<input type="checkbox"/> O ₂	1 hour block		
<input type="checkbox"/> Temperature	continuous	N/A	
<input type="checkbox"/> Pressure Drop	continuous	N/A	

(See Appendix A for General Requirements)

PART IV. MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS

Solvent Metal Cleaning Process

A. Monitoring Requirements

The Permittee shall comply with the following monitoring and control device requirements [40 CFR §63.463 and 40 CFR §63.466]:

1. Conduct monitoring of each control device used to comply with the requirements in Part I.C., "Design Requirements" of this permit, and

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STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

PART IV. MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS, cont.

2. Determine during each monitoring period whether each control device used to comply with these standards meets the requirements specified below:

i. Freeboard refrigeration device

The Permittee shall:

a. Operating Requirement

(1) Ensure that the chilled air blanket temperature, measured at the center of the air blanket, is no greater than 56 °F [40 CFR 63.463(e)(2)(i)]. An exceedance occurs if this operating requirement is not maintained and not corrected within fifteen (15) days.

b. Monitoring

(1) Use a thermometer or thermocouple to measure the temperature at the center of the air blanket during the idling mode. [40 CFR §63.466(a)(1)]

ii. Reduced room draft

The Permittee shall:

a. Operating Requirement

(1) Ensure that the flow or movement of air across the top of the freeboard area of the solvent cleaning machine or within the solvent cleaning machine enclosure does not exceed 15.2 meters per minute (50 feet per minute) at any time [40 CFR §63.463(e)(2)(ii)(A)]. An exceedance occurs if the operating requirement is not maintained and not corrected within fifteen (15) days.

(2) Establish and maintain the operating conditions under which the wind speed was demonstrated to be 15.2 meters per minute (50 feet per minute) or less [40 CFR §63.463(e)(2)(ii)(B)]. An exceedance occurs if the operating requirement is not maintained.

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BUREAU OF AIR MANAGEMENT

PART IV. MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS, cont.

b. Monitoring

- (1) If the reduced room draft is maintained by controlling room parameters (i.e., redirecting fans, closing doors and windows, etc.), the Permittee shall conduct an initial monitoring test of the wind speed and of room parameters, quarterly monitoring of wind speed and weekly monitoring of room parameters as specified below [40 CFR §63.466(d)(1)]:
 - (i) Measure the wind speed within six (6) inches above the top of the freeboard area of the solvent cleaning machine using the following procedure:
 - Determine the direction of the wind current by slowly rotating a velometer until the maximum speed is located;
 - Orient the velometer in the direction of the wind current at each of the four corners of the machine;
 - Record the reading for each corner;
 - Average the values obtained at each corner and record the average wind speed.
 - (ii) Monitor on a weekly basis the room parameters established during the initial compliance test that are used to achieve the reduced room draft.
- (2) If an enclosure (full or partial) is used to achieve the reduced room draft, the Permittee shall conduct an initial monitoring test and, thereafter, monthly monitoring tests of the wind speed within the enclosure and monthly visual inspection of the enclosure to determine if it is free of cracks, holes, and other defects. The direction of the wind current within the enclosure shall be determined by slowly rotating a velometer inside the entrance to the enclosure until the maximum speed is located. The maximum wind speed shall then be recorded [40 CFR §63.466(d)(2)].

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STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

PART IV. MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS, cont.

iii. Superheated vapor

a. Operating Requirement

The Permittee shall:

- (1) Ensure that the temperature of the solvent vapor at the center of the superheated vapor zone is at least 197 °F [40 CFR §63.463(e)(2)(vi)(A)]. An exceedance occurs if the operating requirement is not maintained and not corrected within fifteen (15) days.
- (2) Ensure that the manufacturer's specifications for determining the minimum proper dwell time within the superheated vapor system are followed [40 CFR §63.463(e)(2)(vi)(B)]. An exceedance occurs if the operating requirement is not maintained.
- (3) Ensure that parts remain within the superheated vapor for at least the minimum proper dwell time [40 CFR §63.463(e)(2)(vi)(C)]. An exceedance occurs if the operating requirement is not maintained.

b. Monitoring

- (1) The Permittee shall use a thermometer or thermocouple to measure the temperature at the center of the superheated solvent vapor zone while the solvent cleaning machine is in the idling mode [40 CFR §63.466(a)(2)].

iv. Squeegee System

a. Operating Requirement

The Permittee shall:

- (1) Determine the appropriate maximum product throughput for the squeegees used in the squeegee system.
- (2) Conduct daily monitoring as specified in Part IV.A.2.iv.b.(1).
- (3) Calculate the total amount of continuous web product processed since the squeegees were replaced and compare to the maximum product throughput for the squeegees.
- (4) Ensure squeegees are replaced at or before the maximum product throughput is attained.

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STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

PART IV. MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS, cont.

- (5) Redetermine the maximum product throughput for the squeegees if any solvent film is visible on the continuous web part immediately after it exits the cleaning machine. [40 CFR §63.463(e)(2)(ix)]

b. Monitoring

- (1) The Permittee shall visually inspect the continuous web part exiting the solvent cleaning machine to ensure that no solvent film is visible on the part [40 CFR §63.466(a)(3)].
- (2) The Permittee shall continue daily monitoring until a visible solvent film is noted on the continuous web part [40 CFR §63.465(f)(2)].
- (3) The Permittee shall determine the length of continuous web product that has been cleaned using the squeegee system from the time of replacement of the squeegee until the first visible solvent film is noted on the continuous web part [40 CFR §63.465(f)(3)].
- (4) The maximum product throughput shall be equal to the time it takes to clean 95% of the length of product determined in Part IV.A.2.iv.b.(1) [40 CFR §63.465(f)(4)].

B. Record Keeping Requirements:

- 1. The Permittee shall maintain records in written or electronic form specified below for the lifetime of the solvent cleaning machine [40 CFR §63.467(a)]:
 - i. Owner's manuals, or if not available, written maintenance and operating procedures, for the solvent cleaning machine and control equipment.
 - ii. The date of installation for the solvent cleaning machine and all of its control devices. If the exact date for installation is not known, a letter certifying that the solvent cleaning machine and its control devices were installed prior to, or on, November 29, 1993, or after November 29, 1993, may be substituted.
 - iii. Records of the halogenated HAP solvent content for each solvent used.

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STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

PART IV. MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS, cont.

- iv. Records of the test used and results obtained in determining the maximum product throughput for the squeegees; as well as the monitoring for visual inspections as outlined in Part IV.A.2.iv.b.(1) and the length of continuous web product cleaned during the previous week.
- 2. The Permittee shall maintain the following records in written or electronic form specified below for a period of 5 years [40 CFR §63.467(b)]:
 - i. The results of control device monitoring required under Part IV.A, "Monitoring Requirements" of this permit.
 - ii. Information on the actions taken to comply with the requirements under Part IV.A, "Monitoring Requirements" of this permit. 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.
 - iii. Records of annual solvent consumption for the solvent cleaning machine.
- 3. The Permittee shall obtain a certification from the waste disposer certifying the quantity of waste solvent and the percentage of trichloroethylene present in the waste solvent for each shipment of waste solvent. The certification shall include the name of the waste disposer, the percentage of trichloroethylene in the waste solvent and the method used to determine the trichloroethylene content.
- 4. The Permittee shall post a permanent, conspicuous label on or near the solvent cleaning machine summarizing the applicable operating requirements [RCSA §22a-174-20(1)].
- 5. For each continuous web part processed through the solvent cleaning machine, the Permittee shall record the speed, in feet per minute, at which the web part is processed.

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STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

PART IV. MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS, cont.

6. The Permittee shall make and keep records of the monthly and consecutive twelve (12) month solvent consumption and waste solvent. The consecutive twelve (12) month solvent consumption and waste solvent shall be determined by adding each month's solvent consumption and waste solvent to that of the previous eleven (11) months. The Permittee shall make these calculations on a monthly basis [RCSA §22a-174-20(1)].

7. The Permittee shall calculate the solvent emitted using the following equation:

$$\text{Solvent Emitted} = (\text{Solvent Consumption}) - [(\text{Waste Solvent} * \% \text{TCE})]$$

Solvent Emitted (gal/yr) means Solvent Consumption less Solvent Removed during the measurement period.

Solvent Consumption (gal/yr) means the amount of solvent added to the solvent cleaning machine during the measurement period plus any differential in the solvent contained in the reservoir at the beginning and ending of the measurement period.

Waste Solvent (gal/yr) means the amount of solvent and contaminants removed from the solvent cleaning machine.

% TCE means the percentage of trichloroethylene present in the quantity manifested as determined by the manifest disposer.

gal./yr. means gallons per twelve (12) consecutive months.

8. The Permittee shall make and keep records of the monthly and consecutive twelve (12) month solvent emitted. The consecutive twelve (12) month solvent emitted shall be determined by adding each month's solvent emitted to that of the previous eleven (11) months. The Permittee shall make these calculations on a monthly basis.

9. The Permittee shall keep records on premises indicating continual compliance with all above conditions at all times and shall make them available upon request by the Commissioner for the duration of this permit, or for the previous five (5) years, whichever is less. [RCSA §22a-174-20(1)]

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STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

PART IV. MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS, cont.

C. Reporting Requirements

1. The Permittee shall submit, to the Commissioner, an initial statement of compliance no later than 150 days after startup. This statement shall include the following requirements [40 CFR 63.468(d)]:
 - i. The name and address of the Permittee.
 - ii. The address (i.e. physical location of the solvent cleaning machine).
 - iii. A list of the control equipment used to achieve compliance for the solvent cleaning machine.
 - iv. For each piece of control equipment 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. Conditions to maintain the wind speed requirements as specified in Part IV.A.2.ii of this permit.
2. The Permittee shall report all exceedances and all corrections and adjustments made to avoid an exceedance [40 CFR §63.463(e)(4)].
3. The Permittee shall submit an annual report by February 1 of the year following the one for which the reporting is being made. This report shall include the requirements specified below [40 CFR §63.468(f)]:
 - i. A signed statement from the Permittee or his/her designee stating that, "All operators of the solvent cleaning machine have received training on the proper operation of solvent cleaning machine and its control devices sufficient to pass the test required in 40 CFR Part 63, Subpart T, Appendix A."
 - ii. An estimate of solvent consumption for the solvent cleaning machine during the reporting period.

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PERMIT FOR METAL CLEANING AND/OR SURFACE PREPARATION
STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

PART IV. MONITORING, RECORD KEEPING, AND REPORTING REQUIREMENTS, cont.

4. The Permittee shall submit an exceedance report to the Commissioner semi-annually, except when, the Commissioner determines on a case-by-case basis that more frequent reporting is necessary to accurately assess the compliance status of the source or, an exceedance occurs. Once an exceedance has occurred the Permittee shall follow a quarterly reporting format until a request to reduce reporting frequency, as outlined under this section, is approved. Exceedance reports shall be delivered or postmarked by the 30th day following the end of each calendar half or quarter, as appropriate. The exceedance report shall include the applicable information below [40 CFR §63.468(h)]:
 - i. Information on the actions taken to comply with Part IV.A, "Monitoring Requirements" of this permit. 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.
 - iv. The Permittee, if required to submit an exceedance report on a quarterly (or more frequent) basis, may reduce the frequency of reporting to semiannual if the following conditions are met [40 CFR §63.468(i)]:
 - a. The source has demonstrated a full year of compliance without an exceedance.
 - b. The Permittee continues to comply with all relevant record keeping and monitoring requirements specified in Subpart A of 40 CFR part 63 (General Provisions) and 40 CFR Part 63, Subpart T.
 - c. The Commissioner does not object to a reduced frequency of reporting for the solvent cleaning machine.

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STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

PART V. ALLOWABLE EMISSION LIMITS

The Permittee shall meet the emission limits stated herein at all times.

Table with 2 columns: Criteria Pollutants, tpy. Row 1: VOC/HAP (Trichloroethylene), 16.33

Note: Maximum Potential Emissions for this unit are established by procedures described in 40CFR63.465(e)(1) and are determined in kilograms/year based on the total solvent/air interface of the unit.

1.12 kilograms /m^2 of interface per hour * 1.51 m^2 of interface * 8760 hours/year which is:

14,815 kilograms of TCE per year (32,661 pounds/year or 16.33 tons/year).

At no time shall the permittee cause the emission of Trichloroethylene from the solvent cleaning machine in excess of the Maximum Allowable Stack Concentration.

PART VI. STACK EMISSION TEST REQUIREMENTS (Applicable if -X- Checked)

The Permittee shall conduct stack emission testing for the following pollutant(s):

- None at this time
PM
PM-10
VOC
Other (HAPs):

(See Appendix B for General Requirements)

PART VII. APPLICABLE REGULATORY REFERENCES

RCSA §§22a-174-3a; 22a-174-18; 22a-174-20; 22a-174-29(b)

These references are not intended to be all-inclusive - other sections of the regulations may apply.

PART VIII. SPECIAL REQUIREMENTS

- A. The Permittee shall operate and maintain the solvent cleaning machine and all control devices in accordance with the manufacturer's specifications and written recommendations.
B. The Permittee shall operate in compliance with the regulations for the control of odor, as set forth in RCSA Section 22a-174-23.

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STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

PART VIII. SPECIAL REQUIREMENTS, continued

C. The Permittee shall operate in compliance with the regulations for the control of noise, as set forth in RCSA Sections 22a-69-1 through §22a-69-7.4.

D. The Permittee shall comply with all applicable sections of the following National Emission Standard(s) at all times. (Applicable if -X- checked)

40 CFR Part 63, Subpart T A

None

(See Appendix C for Detailed Requirements)

PART IX. ADDITIONAL TERMS AND CONDITIONS

A. This permit does not relieve the Permittee of the responsibility to conduct, maintain and operate the regulated activity in compliance with all applicable requirements of any federal, municipal or other state agency. Nothing in this permit shall relieve the Permittee of other obligations under applicable federal, state and local law.

B. Any representative of the DEP may enter the Permittee's site in accordance with constitutional limitations at all reasonable times without prior notice, for the purposes of inspecting, monitoring and enforcing the terms and conditions of this permit and applicable state law.

C. This permit may be revoked, suspended, modified or transferred in accordance with applicable law.

D. This permit is subject to and in no way derogates from any present or future property rights or other rights or powers of the State of Connecticut and conveys no property rights in real estate or material, nor any exclusive privileges, and is further subject to any and all public and private rights and to any federal, state or local laws or regulations pertinent to the facility or regulated activity affected thereby. This permit shall neither create nor affect any rights of persons or municipalities who are not parties to this permit.

D. Any document, including any notice, which is required to be submitted to the commissioner under this permit shall be signed by a duly authorized representative of the Permittee and by the person who is responsible for actually preparing such document, each of whom shall certify in writing as follows: "I have personally examined and am familiar with the information submitted in this document and all attachments thereto, and I certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief. I understand that any false statement made in the submitted information may be punishable as a criminal offense under

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STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

PART IX. ADDITIONAL TERMS AND CONDITIONS, continued

section 22a-175 of the Connecticut General Statutes, under section 53a-157b of the Connecticut General Statutes, and in accordance with any applicable statute."

- F.** Nothing in this permit shall affect the commissioner's authority to institute any proceeding or take any other action to prevent or abate violations of law, prevent or abate pollution, recover costs and natural resource damages, and to impose penalties for violations of law, including but not limited to violations of this or any other permit issued to the Permittee by the commissioner.
- G.** Within 15 days of the date the Permittee becomes aware of a change in any information submitted to the commissioner under this permit, or that any such information was inaccurate or misleading or that any relevant information was omitted, the Permittee shall submit the correct or omitted information to the commissioner.
- H.** The date of submission to the commissioner of any document required by this permit shall be the date such document is received by the commissioner. The date of any notice by the commissioner under this permit, including but not limited to notice of approval or disapproval of any document or other action, shall be the date such notice is personally delivered or the date three days after it is mailed by the commissioner, whichever is earlier. Except as otherwise specified in this permit, the word "day" means calendar day. Any document or action which is required by this permit to be submitted or performed by a date which falls on a Saturday, Sunday or legal holiday shall be submitted or performed by the next business day thereafter.
- I.** Any document required to be submitted to the commissioner under this permit shall, unless otherwise specified in writing by the commissioner, be directed to: Office of Director; Engineering & Enforcement Division; Bureau of Air Management; Department of Environmental Protection; 79 Elm Street, 5th Floor; Hartford, Connecticut 06106-5127.

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EQUIPMENT DESCRIPTION (MODEL, I.D. #): Baron Blakeslee Model No. DP 42430
(Serial No. 22268) continuous web degreasing unit with solvent recovery
still

PERMIT FOR METAL CLEANING AND/OR SURFACE PREPARATION
STATE OF CONNECTICUT, DEPARTMENT OF ENVIRONMENTAL PROTECTION
BUREAU OF AIR MANAGEMENT

Appendices attached (Applicable if -X- checked):

- A Continuous Emission Monitoring Requirements
- B Stack Emission Test Requirements
- C New Source Performance Standards (NSPS)/
National Emission Standards for Hazardous Air Pollutants (NESHAPS)
- D Residence Time/Temp. Calculation Procedure
- E Control Equipment Design Specifications
- F RCSA Section 22a-174-20(1)

APPENDIX E
Control Equipment Design Specifications

The Permittee shall comply with the procedures for operation of air pollution control equipment as specified in RCSA Section 22a-174-7.

The following specifications need not be verified on a continuous basis, however, if requested by the Bureau, demonstration of compliance shall be shown:

- Carbon Adsorber
Make and Model: _____
Flow Rate: _____
Pressure Drop: _____
Design Removal Efficiency: _____

- Scrubber
Make and Model: _____
Reagent: _____
Reagent Flow Rate: _____
Pressure Drop (in. H₂O): _____
Minimum Gas Flow Rate at Maximum Rated Capacity (acfm): _____
PH: _____
Design Outlet Grain Loading (gr/dscf): _____
Design Removal Efficiency: _____

- Baghouse
Make and Model: _____
Number of Bags in Use: _____
Bag Material: _____
Net Cloth Area (ft²): _____
Air/Cloth Ratio: _____
Cleaning Method: _____
Pressure Drop (in. H₂O): _____
Design Removal Efficiency: _____

- Mist Eliminator
Make and Model: _____
Flow Rate: _____
Pressure Drop: _____
Design Removal Efficiency: _____

- Condenser
Make and Model: _____
Reclaim Efficiency: _____

- Incinerator
Make and Model: _____
Operating Temperature (°F): _____
Minimum Residence Time (sec.): _____
Minimum Destruction Efficiency (%): _____
Maximum Exhaust Gas Flow Rate (acfm): _____
Minimum Capture Efficiency: _____
Catalyst Type: _____
Fuel Type: _____
Fuel Quantity: _____
Fuel Firing Rate: _____

- Other: Freeboard Refrigeration Device (Carrier Refrigerated
Chiller; Model #30GTN025-D-600)

Squeegee (In house manufacture)

Control Equipment Malfunction

1. Equipment or methods which control "air pollutant" "emissions" from a "stationary source" and which are necessary to the operation of such "stationary source" in compliance with applicable "emission standards" and regulations shall be maintained in operation at all times that the "stationary source" is in operation or emitting "air pollutants". This includes instruments required by permit, order, or regulation which measure those source operating parameters which affect air pollutant emissions, air pollution control equipment, or other instruments which measure meteorological data required by permit, order or regulation.
2. No "person" shall deliberately shut down any such control equipment, method or other instruments specified in subsection 22a-174-7(a) while the "source" is in operation except for such necessary maintenance as cannot be accomplished when the "stationary source" itself is not in operation and is not emitting "air pollutants".
3. In the event of breakdown, failure, or deliberate shut down of any control equipment, method, or other instrument specified in subsection 22a-174-7(a) during which time the "stationary source" will be in operation, all reasonable measures shall be taken to assure resumption of the control equipment as soon as possible. Due diligence shall be exercised to minimize "emissions" while the control equipment or method is inoperative. In the event such shutdown of control equipment or methods is expected or may reasonably be expected to continue for longer than 72 hours, and if the "source" is to be operated at any time during that period, the "Commissioner" shall be notified promptly except that for a resource recovery facility such time period shall be 24 hours. Such notice shall include, but is not limited to, the following:
 - a. Identification of the specific equipment or instrument taken out, or to be taken out, of service as well as its location, and, where applicable, registration or permit number;
 - b. The expected length of time that the "air pollution" control equipment or instrument will be out of service;
 - c. The nature and quantity of "emissions" of "air pollutants" likely to be emitted during the shutdown period;
 - d. Measures such as the use of offshift labor and equipment that will be taken to minimize the length of the shutdown period;
 - e. The reasons that it would be impossible or impractical to shut down the "stationary source" operation during the maintenance period;
4. The "Commissioner" may attach conditions to the operation of the "source" during the period of shutdown or breakdown.