Instructions for Attachment E206
METAL PLATING OR SURFACE TREATMENT OPERATIONS
Supplemental Application Form

(Instructions for Completing DEEP-NSR-APP-206)

All applications for a permit to construct and operate a stationary source shall include the information listed in Regulations of Connecticut State Agencies (RCSA) section 22a-174-3a(c). This supplemental application form shall be completed for any new sources such as: etching, pickling, acid dipping, electropolishing, electroplating, anodizing, sandblasting operations and metal cleaning other than degreasing.

Complete a separate form for each distinct manufacturing or process line. *Each manufacturing or process line is considered a unit while the series of emission points which make up that manufacturing or process line are considered subunits.* Complete each item as appropriate. If a specific item does not apply to your situation mark it N/A (not applicable). If additional space is needed to answer a question stated in the application, attach separate sheet(s) as necessary, clearly identifying the applicant name, form name and Part number, unit number, and subunit number.

Note: The data provided in these forms will be used to define the operating limits in your permit.

Questions? Visit the Air Permitting web page or contact the Air Permitting Engineer of the Day at 860-424-4152 (between 8:30 AM and 4:30 PM, Monday through Friday).

Applicant Name: Provide the applicant name as previously indicated on the *Permit Application for Stationary Sources of Air Pollution* form (DEEP-NSR-APP-200).

Unit Number: Provide the unit number of the subject unit as previously assigned on the *Permit Application for Stationary Sources of Air Pollution* form (DEEP-NSR-APP-200). Please use a consistent reference number for each unit throughout the application package.

Part I: General Tank Information

Process Description: Describe the process or end product.

Is this unit subject to Title 40 CFR Part 60, NSPS?: Indicate if the unit is subject to Title 40 of the Code of Federal Regulations (CFR) Part 60, New Source Performance Standards (NSPS). If the response is yes, specify the appropriate subpart(s).

Is this unit subject to Title 40 CFR Part 63, MACT?: Indicate if the unit is subject to Title 40 CFR Part 63, National Emissions Standards for Hazardous Air Pollutants (NESHAP). If the response is yes, specify the appropriate subpart(s).

Title 40 CFR Part 60 and Title 40 CFR Part 63 regulations can be found on the U.S. Government Printing Office Website.

Subunit Number - Assign a reference number to each tank or subunit (including water rinse tanks) which makes up the distinct process line. Base this reference number on the same numbering system that was used in completing Part I: Application and Source Type of the form *Permit Application for Stationary Sources of Air Pollution* (DEEP-NSR-APP-200). For example, if the number assigned to a distinct process line is U1, the subunits which make up this particular process line would be U1a, U1b, etc. Use separate rows to identify each distinct piece of equipment.

Tank Function - Describe the operation in each tank (e.g., nickel plating, etc.) or its function.

Contents of Tank - List the tank's contents by

brand name or chemical composition in weight percentages (e.g., phosphoric acid-10%, water-90%, etc.). *Attach a Material Safety Data Sheet for each product in the tank as Attachment E206-B.* These forms are available from the product's supplier or are shipped with the product when it is purchased.

Construction Date - Provide each subunit's actual or anticipated construction date.

Begin actual construction means in general, initiation of physical on-site construction activities on an emissions unit which are of a permanent nature. Such activities include, but are not limited to, installation of building supports and foundations, laying of underground pipework, and construction of permanent storage structures. With respect to a change in method of operating this term refers to those on-site activities other than preparatory activities which mark the initiation of the change.

Maximum Operating Schedule - Estimate your maximum operating schedule in hours per day and hours per year.

Tank Temperature - Indicate the operating temperature of each tank in ^{o}F.

Tank Size - Indicate each tank's maximum design volume in gallons. This information is specified by the manufacturer and can often be found on the equipment nameplate. If unknown, this information can be obtained from the manufacturer.

Tank Surface Area - Indicate each tank top's surface area dimensions and specify the measurement units (e.g., square feet, etc.).

If more space is needed check the appropriate box and attach additional sheets providing the required information.

Part II: Chemical Surface Preparation Only

Subunit Number – Repeat the appropriate subunit number(s) from Part I to identify the subunits that are used in chemical surface preparation.

Maximum Hourly/Yearly Make-up Rate - Indicate the maximum anticipated hourly and annual make-up rate and specify the measurement units (e.g., pounds per hour, pounds per year) under maximum worst case operations. Make-up rate refers to the rate that the tank is replenished with chemicals.

Tank Amperage - Indicate each tank's amperage and specify the measurement units (e.g., amps).

Type of Material Being Processed - Indicate the material or product being processed in the tank (e.g., metal tubes, wrenches, etc.).

Part III: Non-Chemical Surface Preparation Only

Subunit Number - Repeat the appropriate subunit number(s) from Part I to identify the subunits that are used in non-chemical surface preparation.

Type of Abrasive - For non-chemical surface preparation (e.g., sandblasting) indicate the type of abrasive used (e.g., sand, grit, shot, etc.).

Maximum Hourly Quantity of Abrasive Used - Indicate the design hourly flow rate of abrasive through the nozzle(s) in pounds per hour.

Wet Abrasive - Indicate the percentage of time that wet blasting is performed in the operation.

Enclosure - Indicate if the operation is totally contained in an enclosure, such as a cabinet or a dedicated room.

Number of Nozzles – Provide the number of nozzles used in the non-chemical surface preparation.

Compressor Maximum Capacity – Provide the compressor maximum capacity in units of acfm at psig for the non-chemical surface preparation operation.

Type of Material Being Processed - Indicate the material or product being processed in the tank

(e.g., metal tubes, wrenches, etc.).

Part IV: Attachments

This section offers a checklist of all the attachments necessary to complete this application. All listed Attachments are **REQUIRED**.

Check the appropriate box by each attachment being submitted as verification that all applicable attachments have been submitted. Please label all attachments as referenced in the permit application form and these instructions and be sure to include the name of the applicant as indicated on the application form.

Attachment E206-A: Process Information and Flow Diagram, REQUIRED

Submit a process flow diagram indicating all related equipment, air pollution control equipment and stacks, as applicable. Identify all materials entering and leaving each such device indicating quantities and parameters relevant to the proper operation of the device. Indicate all monitoring devices and controls.

Attachment E206-B: Material Safety Data Sheet(s), REQUIRED

Submit a Material Safety Data Sheet for each product used in a tank by this unit. These are available from the product's supplier or are shipped with the product when purchased.