Department of Natural Resources and Environmental Control **Division of Air Quality** # PERMIT APPLICATION (***MAKE ADDITIONAL COPIES, IF NECESSARY***)	**AQM-1001J**
	METAL PLATING and SURFACE TREATMENT OPERATIONS

EMISSION POINT NUMBER (1)	TANK DESIGNATION AND TYPE OF OPERATION (2)	DATE INSTALLED (3)	OPERATING SCHEDULE (hours/days/weeks) (4)	TANK TEMP (ºF) (5)	TANK SIZE (gal) (6)	CHEMICAL COMPOSITION OF CONTENTS IN TANK (7)	MAXIMUM HOURLY MAKE-UP RATE (Specify units/hr) (8)	MAXIMUM ANNUAL MAKE-UP RATE (Specify units/hr) (9)	HAZARDS AND TOXICITY (10)	TYPE OF MATERIAL BEING COATED (11)
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INSTRUCTIONS FOR COMPLETING AQM-1001j

(1)   Assign an Emission Point Number to each process which has a potential to emit any air pollutant.
(2)   List each tank in the process, and specify the type of operation (e.g., electroplating, stripping, pickling, electro-cleaning, etching, rinsing, tinning, etc.)
(3-6)   Items are self-explanatory.
(7)   List each of the chemical materials used on a separate line. Include the Material Safety Data Sheets for each chemical in the tank.
(8-9)   List the hourly and annual make-up rates for each chemical material. If the units are listed by volume, then provide concentration and density for each chemical material (these volumes will be used as permit conditions).
(10)   List the hazards for each chemical material (e.g., skin irritation, flammable, toxics, carcinogenic, mutagenic, etc.).
(11)   Identify the type of material being coated.

- Provide a process flow diagram to show the arrangement of the tanks, the ventilation system, and the control devices.
- Provide a brief description of the processes, including all of the chemical reactions taking place.
- IMPORTANT: Complete AQM-1001K for the air pollution control equipment and ventilation system, including emission calculations.