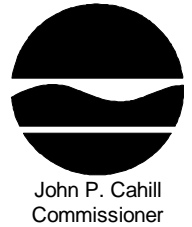


**New York State Department of Environmental Conservation
Division of Air Resources**

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Strategic Goals Preliminary Air Pollution Compliance Questionnaire

The information that you will provide in this questionnaire will be used to develop an air pollution compliance checklist for your facility.

Please answer each of the following questions and return the completed form to the address at the top of this letterhead. The questions are designed to classify each of the air pollution sources at your facility. Please note that each of the processes referred to in questions 2-6 are defined on the last page of this questionnaire. If you have questions on how to complete this form, please contact Mr. Francis Craner at the NYSDEC (fxcraner@gw.dec.state.ny.us).

1. List the name, address, and contact person for your facility:

Name of facility: _____

Address: _____

City, State
and Zip Code: _____

Contact Person: _____

Please answer each of the following questions:

2. Do you perform *chromium electroplating and/or chromic acid anodizing* at your facility?

_____ Yes _____ No

If you answered "Yes" to question #2 then please complete Worksheet "A".

3. Do you use a *solvent metal cleaning machine* at your facility? (i.e., a machine in which metal parts are cleaned and in which solvents are used as the cleaning agent.)

_____ Yes _____ No

If you answered "Yes" to question # 3, then please complete Worksheet "B".

4. Do you perform *surface coating* at your facility?

_____Yes _____No

If you answered "Yes" to question # 4, then please complete Worksheet "C".

5. Do you perform *processes* at the facility that are not described under questions 2-4?

_____Yes _____No

If you answered "Yes" to question # 5, then please complete Worksheet "D"

6. Do you have any *stationary combustion installations* at your facility?

_____Yes _____No

If you answered "Yes" to question # 6, then please complete Worksheet "E".

Worksheet "A"- Chromium electroplating and chromic acid anodizing

1. Which of the following processes do you perform at your facility? (Check all that apply)

1. Hard Chrome electroplating_____

2. Decorative chrome electroplating_____

3. Chromic acid anodizing_____

2. On what date did you begin performing these processes? (If you began performing different processes on different dates, list the date for each process)

3. What is used to control chromium emissions from your facility?

Worksheet "B"- Solvent Metal Cleaning Machines

Please note: If you have more than one machine at your facility, please answer the following questions individually for each machine.

1. Does the machine use a cleaning solvent that contains any of the following compounds:?

Methylene chloride (CAS # 75-09-2)
Perchloroethylene (CAS # 127-18-4)
Trichloroethylene (CAS # 79-01-6)
1,1,1-trichloroethane (CAS # 71-55-6)
Carbon tetrachloride (CAS # 56-23-5)
Chloroform (CAS # 67-66-3)

2. If you answered no to question 1, what solvent is used in the machine?

3. Does the machine clean one discreet batch of parts at a time, or does the machine use a conveyor to automatically supply a continuous supply of parts to be cleaned?

_____ One discreet batch at a time

_____ Continuous supply of parts

4. Is the cleaning solvent heated to a vapor or does it clean as a liquid?

_____ Solvent is heated to vapor phase

_____ Solvent cleans as a liquid

5. On what date was the machine installed? _____

Worksheet “C”- Surface Coating Processes:

1. Describe the type of part that is coated at your facility. (If more than one part is coated, then fill out this section once for each part)
2. Describe the type(s) of coating(s) that are applied at your facility (adhesive, primer, topcoat, etc)
3. On what date did you begin coating this part at your facility?
4. What is your average monthly consumption of coatings and other solvents (include all solvents) at your facility?
5. What is the maximum monthly consumption of coatings and other solvents (include all solvents) at your facility?

Worksheet “D”- Unclassified Processes

Examples of unclassified processes include etching, sulfuric acid anodizing, and cadmium electroplating, among others. If you perform more than one unclassified process at your facility, please fill out this section once for each process.

1. Give a general description of the process:
2. What raw materials are used in the process?:
3. What equipment is used in the process?:
4. Is any air pollution control equipment used in the process?:

Worksheet “E”- Combustion Installations:

For each individual unit at your facility, provide the following information:

1. What type of unit is it? (boiler, process heater, internal combustion engine, turbine)
2. What is the size of the unit (heat input for boiler or process heater; horsepower for engine)
3. What fuel(s) are used in the unit (natural gas, distillate oil, residual oil, etc)
4. On what date was the unit installed?

Definitions:

Chromic acid anodizing- The electrolytic process by which an oxide layer is produced on the surface of a base metal for functional purposes (e.g., corrosion resistance or electrical insulation) using a chromic acid solution. In chromic acid anodizing, the part to be anodized acts as the anode in the electrical circuit, and the chromic acid solution, with a concentration typically ranging from 50 to 100 grams per liter (g/l) serves as the electrolyte.

Decorative chromium electroplating- The process by which a thin layer of chromium (typically 0.003 to 2.5 microns) is electrodeposited on a base metal, plastic, or undercoating to provide a bright surface with wear and tarnish resistance. In this process, the part(s) serve(s) as the cathode in the electrolytic cell and the solution serves as the electrolyte. Typical current density applied during this process ranges from 540 to 2400 amperes per square meter (A/m²) for total plating times ranging between 0.5 to 5 minutes.

Hard chromium electroplating- The process by which a thick layer of chromium (typically 1.3 to 760 microns) is electrodeposited on a base metal to provide a surface with wear resistance, a low coefficient of friction, hardness, and corrosion resistance. In this process, the part serves as the cathode in the electrolytic cell and the solution serves as the electrolyte. Hard chromium electroplating process is performed at current densities typically ranging from 1600 to 6500 Amperes per square meter (A/m²) for total plating times ranging from 20 minutes to 36 hours depending on the desired plate thickness.

Process- Any industrial commercial, agricultural, or other activity, operation, manufacture or treatment in which chemical, biological and/or physical properties of the material or materials are changed, or in which the material(s) is (are) conveyed or stored without changing the material(s) (where such conveyance or storage system is equipped with a vent is is non-mobile), and which emits air contaminants to the outdoor atmosphere. Processes do not include open fires, operation of combustion installations, and incineration of refuse other than by-products or wastes from processes.

Solvent cleaning machine- A device or piece of equipment that uses solvent liquid or vapor to remove soils, grease, or other substances from the surface of materials.

Stationary combustion installation- An installation, consisting of a single furnace, device, engine or turbine in which fossil fuel and/or wood is burned with air or oxygen and the air contaminant emissions include only those products resulting from:

- (1) combustion of the fuel;
- (2) additives or impurities in the fuel; and
- (3) material introduced for the purpose of altering air contaminant emissions.

Surface Coating- The application or impregnation of a material to a substrate for protective, decorative, or functional purposes. Such materials include, but are not limited to, paints, varnishes, primers, sealants, adhesives, inks, and maskants.