

Multi-Media Checklist—Metal Finishing Facilities

Surface Cleaning

1) What type of cleaning process is used?(abrasive, acid, emulsion, solvent, alkaline)

2) If solvents are used, are emissions controlled in any way?

Are containers closed to prevent evaporation?

3) How are the waste oils/cleaners handled? (re-used, disposed)

Where are the waste oils/cleaners stored?

Are the waste oils/cleaners hazardous waste?

4) Is sludge, dust, or other waste generated in the surface cleaning process?

Where is this waste stored?

How is it disposed?

Surface Coating Process and Wastes

5) What is the flow scheme for the plating system?

6) Do any of the plating tanks have hoods that vent outside?

Are there any tanks connected to scrubbers or demisters?

7) Do you conduct chrome plating?

If so, what kind(s)?

Do you have any air pollution control equipment on the chrome plating line?

8) How/when do you determine to replace your plating baths?

What do you do with the spent bath?

9) How is rinse water handled?

10) What steps are used to minimize drag-out? (surfactants, drip time, air blow down)

11) Where is the plating waste (sludge) sent?

How often?

How much?

12) Where is the sludge stored?

Is this area properly maintained, clean, and free of spills?

13) Are waste containers labeled, including dates of generation/accumulation?

14) What volume of wastewater is generated and how frequently?

How is the treated wastewater disposed?(hailed, NPDES, public sewer, on-lot)

15) Is the waste treated prior to disposal?

What is the treatment process?

Is any of the waste recycled in any manner?

If the discharge is to a public sewer:

16) Who is your contact with the municipality?

17) Do you have a pretreatment permit from the municipality?

18) What parameters are you required to monitor and at what frequency?

Is the data available on-site and available for review?

Other general questions:

19) Are there any floor drains in the cleaning, machining, plating, chemical storage, waste storage or treatment areas?

Where does each of the floor drains discharge?

Have they been dye tested to verify the point of discharge?

20) Do you use cooling water?

What volume is used daily?

Is it contact or non-contact?

How is the cooling water disposed?

21) Do you have any boilers?

What is the rated capacity and fuel burned for each?

22) Do you have any DEP permits or licenses?

23) Have you made any changes in your processing lines, the chemicals used, or waste treatment practices in the past two years?
