

OPERATION AND MAINTENANCE PLAN GUIDELINE

DESCRIPTION OF SOURCE:

Include tank(s) size, type of plating solution, capacity of rectifier(s).

OPERATION OF SOURCE:

Include process time for each tank , (i.e. 1½ minutes per load, etc.) and amperage per load.

CONTROL SYSTEM:

What is the emission limit you must meet (i.e. 45 dynes/cm)?

How will you meet it?

What brand or product are you currently using?

How will you stay in compliance? For example, will you add fume suppressant whenever the surface tension reaches 40 dynes/cm?

MONITORING SYSTEM:

What instrument will you use to monitor surface tension ?. (Stalagmometer or tensiometer?) In order to meet the requirement of monitoring every 40 hours of operation, when, **specifically**, will you monitor? Every Tuesday? Every other Thursday? Every third Monday? Be specific.

MAINTENANCE AND USE OF STALAGMOMETER:

In order to assure accurate surface tension measurements, the stalagmometer will be cleaned and operated according the manufacturer's instructions. Attach a copy of the manufacturers instructions to the O & M Plan.

MALFUNCTIONS OR PERIODS OF EXCESS EMISSIONS:

How will you know if there is a malfunction or period of excess emissions? (One way to tell is a surface tension measurement in excess of 45 dynes/cm.).

What action will be taken? How will you know the tank is back in compliance?

Describe the increased monitoring that must take place after each period of excess emissions. What other times will increased monitoring be necessary?

RECORDKEEPING:

The following records will be kept by the chemist.

- Date, time and results of surface tension measurement.

- Record of stalagmometer cleaning.
- Date and time of fume suppressant additions.
- Date, time and duration of each period of excess emissions (as occurs when surface tension exceeds 45 dynes/cm).
- Action taken to return tank to compliance (i.e. addition of fume suppressant).
- Actual process time of the tanks- to be calculated weekly.

All records shall be kept on site for a period of 5 years. If this operation and maintenance plan is revised, the original version will be kept on site and available for inspection for a period of 5 years.

REPORTING:

An ongoing compliance status report will be completed every January. This report will be kept on site for a period of 5 years.