

40 CFR 63 Subpart N

Chromium Electroplating and Anodizing Processes: Revised NESHAP Emission Limits

November 2014

The Federal National Emission Standard for Hazardous Air Pollutants (NESHAP) affects all facilities that use chromium electroplating or anodizing tanks, regardless of size. What your facility must do to comply with the NESHAP depends on the size of your operation and what type of process you use (hard, decorative, or anodizing).

This fact sheet provides a general overview of the federal emission limits that chromium electroplating and anodizing operations must comply with by the effective date of September 19, 2014. State and local regulatory agencies may have additional requirements. If you require additional technical information, the Small Business Environmental Assistance Program (SBEAP) provides free and confidential assistance and can be contacted at the toll-free number listed below.

Emission Limits

The NESHAP specifies emission limits, expressed as a concentration of chromium, that are based on the use of certain control techniques. Facilities may employ various control techniques, provided the level of control equals or exceeds that of the specified technique. All affected facilities are regulated by applying maximum achievable control technology (MACT). If you wish to use a substitute control technique, you must obtain approval from the U.S. Environmental Protection Agency (EPA) for the proposed test methods and monitoring practices you will use to demonstrate compliance. Contact the EPA at the following location:

*U.S. EPA Region II – DECA
290 Broadway
New York, NY, 10007-1866*

The table found on the following page defines the total chromium emission limits that were recently promulgated and finalized in 2012, by the U.S. Environmental Protection Agency. The effective date of the new emission limits is September 19, 2014.



New York State
ENVIRONMENTAL
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NESHAP Emission Limits

Effective beginning September 19, 2014

Affected Tanks	Control Level ^a	Chemical Fume Suppressant Containing Wetting Agent
Open & Enclosed Hard Chromium Plating Tanks		
Small, existing tanks ^b	0.015 mg/dscm (6.6 x 10 ⁻⁶ g/dscf)	40 dynes/cm(stalagmometer) or 33 dynes/cm (tensiometer)
Large, existing tanks	0.011 mg/dscm (4.8 x 10 ⁻⁶ g/dscf)	
New tanks ^c – large & small	0.006 mg/dscm (2.6 x 10 ⁻⁶ g/dscf)	
Decorative Chromium Plating Tanks Using a Chromic Acid Bath & Chromium Anodizing Tanks		
Existing sources	0.007 mg/dscm (3.1 x 10 ⁻⁶ g/dscf)	40 dynes/cm(stalagmometer) or 33 dynes/cm (tensiometer)
New/Reconstructed sources	0.006 mg/dscm (2.6 x 10 ⁻⁶ g/dscf)	
Decorative Chromium Plating Tanks Using a Trivalent Chromium Bath with a Wetting Agent		
All tanks	Only subject to recordkeeping and reporting	

^a **mg/dscm** = milligrams per dry standard cubic meter of exhaust air
^a **gr/dscf** = grains per dry standard cubic feet of exhaust air
^a **dynes/cm** = dynes per centimeter

^b **Small:** means a facility having a maximum potential rectifier capacity of less than 60 million ampere-hours per year (assuming an operating schedule of 8,400 hours per year and a 70% tank utilization) or an actual rectifier capacity of less than 60 million ampere-hours per year demonstrated through the use of non-resettable meters.

^c **New:** affected hard chromium electroplating tank, decorative chromium electroplating tank, or chromium anodizing tank, the construction or reconstruction of which commenced after February 8, 2012.

Since there is a new compliance date (September 19, 2014), a new Notification of Compliance Status Report must be submitted by October 19, 2014.

Helping New York's Small Businesses understand and comply with environmental regulations.

Small Business Environmental Assistance Program
 NYS Environmental Facilities Corporation
 625 Broadway, Albany, NY 12207-2997
 1-800-780-7227 / 518-402-7461

sbeap@efc.ny.gov

The information in this fact sheet is intended for general reference only; it is not a full and complete statement of the technical or legal requirements associated with the regulation.