

40 CFR Part 63.340
Chromium Electroplating and Anodizing Processes:
Initial Performance Testing Under the NESHAP
April 1997

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, what type of process you use (hard, decorative, or anodizing), and what control technique you use.

This fact sheet provides a general overview of the initial performance testing that chromium electroplating and anodizing operations must perform under federal requirements; state and local regulatory agencies may have additional requirements. Additional technical information is available by calling the Small Business Assistance Program (SBAP) at the toll-free number below for free and confidential help.

Initial Performance Testing

The NESHAP requires an initial performance test of your operations to determine if the chromium emissions from the source are less than or equal to the emission limits set for the source. The initial performance test also establishes values for the air pollution control system's operating parameters, such as pressure drop or foam blanket thickness. Monitoring and recording these operating parameters during tank operation will tell you whether or not your facility is in compliance with the federal emission limits.

Existing decorative chromium electroplaters should have already conducted this test and hard chromium electroplaters and chromium anodizers must test by July 24, 1997. However, sources that meet the following criteria are exempt from the initial performance testing requirement:

- decorative chromium electroplating tanks or chromium anodizing tanks that use a wetting agent and limit the surface tension of the bath to a maximum of 45 dynes/cm and
- decorative chromium electroplating tanks that use a trivalent chromium bath.

Decorative chromium electroplaters who have missed their testing deadline should contact the SBAP immediately for assistance.

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Need more facts?
For technical assistance and for help with permitting, call the Small Business Assistance Program (SBAP) of the New York State Environmental Facilities Corporation
(800) 780-7227
For information about regulations, compliance financing assistance, and assistance resolving regulatory difficulties, contact the Environmental Ombudsman Unit of Empire State Development
(800) 782-8369
Both offer free and confidential assistance to small businesses.

The New York State
Small Business
Stationary Source
Technical
and
Environmental
Compliance
Assistance
Program

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.

Conducting the Test

You must notify the New York State Department of Environmental Conservation (DEC) of your intent to conduct an initial performance test 60 days before you actually conduct the test. You may conduct the initial performance test yourself according to the procedure outlined in the regulation, or hire a consultant to do it for you. Regardless of who conducts the test, you or your consultant must submit a protocol for the testing procedure to DEC for approval prior to testing. The SBAP has copies of a videotape that describes the do-it-yourself testing procedure that you may borrow by calling the toll-free number on the previous page. The SBAP can also provide forms to use to notify DEC of your intent to conduct an initial performance test.

Reporting the Test Results

Following the initial performance test, whether you conduct it yourself or have a consultant do it for you, you or the consultant must submit a report to DEC that contains the following information:

- a description of your process
- descriptions of the sampling locations
- sampling and analysis procedures and any modifications to standard procedures
- test results
- quality assurance procedures and results
- records of
 - operating conditions during testing
 - preparation of standards used during test
 - calibration procedures
- raw data sheets for
 - field sampling
 - field and laboratory analysis
- documentation of calculations
- any additional information required by the test method

This report must be submitted to DEC at the address below within 90 days after your initial performance test:

NYS DEC
Divison of Air Resources
Bureau of Stationary Sources
Toxics Assessment Section
50 Wolf Road
Albany, NY 12233-3254