

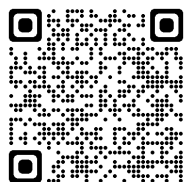
About Rule 1407.1

South Coast AQMD's Rule 1407.1 is designed to reduce emissions of arsenic, cadmium, hexavalent chromium, and nickel from chromium alloy melting operations. These metal toxic air contaminants (TACs) can be emitted from the melting of chromium-containing metal alloys, as well as other related processes, such as smelting, tinning, and galvanizing. Rule 1407.1 includes requirements to ensure that emissions from chromium-alloy melting operations are well-controlled to minimize health risks to surrounding neighbors.



This brochure provides a general overview of Rule 1407.1. Compliance determinations are based on Rule 1407.1, which can be found at the following link or by scanning the QR code below:

<http://www.aqmd.gov/docs/default-source/rule-book/reg-xiv/rule-1407-1.pdf?sfvrsn=18>



Assembly Bill 617

Assembly Bill 617 (AB 617) was signed into California law on July 26, 2017, and focuses on addressing disproportionate impacts of air pollution in designated environmental justice (EJ) communities. Metal processing facilities have been identified by some Community Steering Committees (CSCs) as an air quality priority in their Community Emissions Reduction Plans (CERPs).

As part of these CERPs, South Coast AQMD is committed to sharing information on rules that reduce emissions and exposure to metal TACs in your community.

For more information on CERP implementation and upcoming quarterly CSC meetings, including how to join your community's CSC, visit the South Coast AQMD AB 617 program webpage at the following link or by scanning the QR code below:

<http://www.aqmd.gov/nav/about/initiatives/environmental-justice/ab617-134>



For any questions related to the AB 617 program, please email us at:

ab617@aqmd.gov

@SouthCoastAQMD



For the latest air quality forecast or to register an air quality complaint, call: 1-800-CUT-SMOG® (1-800-288-7664) or visit our website: www.aqmd.gov



Rule 1407.1

**Control of Toxic Air
Contaminant Emissions
from Chromium Alloy
Melting Operations**

South Coast Air Quality Management District

Rule 1407.1



Key Requirements



Emission Controls

Facilities must operate air pollution control devices and ensure metal TAC emissions are within the limits specified in the rule. Facilities must also limit visible emissions from metal melting operations.



Prohibition

Facilities cannot melt chromium non-ferrous alloys with more than 0.002% arsenic or 0.004% cadmium by weight.



Housekeeping

Conduct routine cleaning to reduce build-up of metal-containing dust.



Building Enclosure

All chromium alloy melting operations must be conducted in a building and wind exposure must be minimized.



Testing and Monitoring

Source testing is required every 5 years. Facilities must continuously monitor air pollution control devices to ensure that the equipment is operating properly.



Recordkeeping

Facilities are required to maintain records of usage, testing, housekeeping, and equipment maintenance.

Exemptions

Rule 1407.1 does not apply to lead battery and lead melting facilities. These facilities must meet the requirements in South Coast AQMD's Rule 1420.1 – Emission Standards for Lead and other Toxic Air Contaminants from Large Lead-Acid Battery Facilities and Rule 1420.2 – Emission Standards for Lead from Metal Melting Facilities.

Frequently Asked Questions

Who is South Coast AQMD?

South Coast AQMD is the regulatory agency responsible for improving air quality for large areas of Los Angeles, Orange County, San Bernardino and Riverside counties, including the Coachella Valley.

What is a chromium alloy?

A chromium alloy is any metal that is at least 0.5 percent chromium by weight. Examples include alloy steel, chromium non-ferrous alloys, stainless steel, and superalloys.

What is a metal TAC under Rule 1407.1?

A metal toxic air contaminant (TAC) is known to cause cancer or other adverse health effects. Rule 1407.1 reduces emissions of arsenic, cadmium, hexavalent chromium, and nickel, which are metal TACs that can be found at chromium alloy melting facilities.

What is a source test?

A source test is required to measure metal TAC emissions from chromium alloy melting operations and to demonstrate that the air pollution control devices are working properly.

Where can I find other South Coast AQMD Rules?

Links to all South Coast AQMD rules can be found at the following link or by scanning the QR code below:

www.aqmd.gov/home/rules-compliance/rules/scaqmd-rule-book

