

# Nine Metal Fabrication and Finishing Source Categories

## 40 Code of Federal Regulations (CFR) Part 63, Subpart XXXXXX (6X NESHAP)

### *General Summary of Requirements*

The *Nine Metal Fabrication and Finishing Source Categories - Area Source*<sup>1</sup> NESHAP<sup>2</sup> (6X NESHAP) regulations apply to the following facilities:

- Facilities that are *primarily engaged*<sup>3</sup> in one of the following source categories (SIC codes are in parenthesis):
- (1) Electrical and Electronic Equipment Finishing Operations (including motor and generator manufacturing; electrical machinery, equipment and supplies, not elsewhere classified) (3621, 3699);
  - (2) Fabricated Metal Products, not elsewhere classified (3499);
  - (3) Fabricated Plate Work (Boiler Shops) (3443);
  - (4) Fabricated Structural Metal Manufacturing (3441);
  - (5) Heating Equipment, except Electric (3433);
  - (6) Industrial Machinery and Equipment Finishing Operations (including construction machinery manufacturing; oil and gas field machinery manufacturing; and pumps and pumping equipment manufacturing) (3531, 3533, 3561);
  - (7) Iron and Steel Forging (3462);
  - (8) Primary Metal Products Manufacturing (3399); and
  - (9) Valves and Pipe Fittings, not elsewhere classified (3494)

Many facilities perform the metal fabrication and finishing processes addressed by this rule, but will not be subject to it unless they are primarily engaged in one of the above listed source categories.

- Facilities that
- have the **potential to emit a metal fabrication or finishing HAP (MFHAP)**. A MFHAP is any compound of **cadmium (Cd)**, **chromium (Cr)**, **lead (Pb)**, **manganese (Mn)** or **nickel (Ni)**, or any of these metals in the elemental form with the exception of lead.
- Or
- use materials that contain a MFHAP**. These are materials that contain **cadmium (Cd)**, **chromium (Cr)**, **lead (Pb)**, or **nickel (Ni)** in amounts **greater than or equal to 0.1 percent by weight of the metal**, and materials that contain **manganese (Mn)** in amounts **greater than or equal to 1.0 percent by weight of the metal**, as shown in formulation data provided by the manufacturer or supplier, such as a Material Safety Data Sheet (MSDS).
- Facilities that have one of the following industrial processes will be regulated if the facilities have **the potential to emit MFHAP or use materials that contain a MFHAP**.
- (1) Dry abrasive blasting
  - (2) Machining
  - (3) Dry Grinding and Dry Polishing with machines
  - (4) Spray Painting
  - (5) Welding

*The specific standards and management practices for each industrial process covered under the 6X NESHAP are described on individual, supplemental fact sheets.*

<sup>1</sup> An Area Source is a source of Hazardous Air Pollutants (HAP) that is not a major source. An area source of HAP emits or has the potential to emit less than 10 tons of any single HAP and less than 25 tons of any combination of HAP in a 12 month period.

<sup>2</sup> NESHAP – National Emissions Standards for Hazardous Air Pollutants.

<sup>3</sup> Facilities are primarily engaged in a source category if the production of one or more products listed in these categories represents at least 50% of the production at the facility. Production quantities are established by the volume, liner foot, square foot, or other value suited to the specific industry and are based on the previous continuous 12 months of operation. Facilities must document and retain their rationale if they determine their facility is not primarily engaged in one of the source categories.

- Sources that are **EXEMPT** from the 6X NESHAP include:
  - (1) Research or laboratories facilities;
  - (2) Tool or equipment repair operations, facility maintenance, or quality control activities (as defined in the 6X NESHAP);
  - (3) Operations performed at installations owned or operated by the US Armed Forces (including the National Guard), NASA, or the National Nuclear Security Administration; and
  - (4) Operations that produce military munitions manufactured by or for the US Armed Forces, or equipment directly and exclusively used for the purposes of transporting military munitions.

## GENERAL NOTIFICATION AND REPORTING REQUIREMENTS

In addition to the standards, management practices, reporting and recordkeeping required for each industrial process (see supplemental fact sheets), each facility subject to the 6X NESHAP must also submit the following notifications.

### Initial Notifications:

- Existing Sources** submit no later than **July 25, 2011**.
- New Sources** submit no later than **120 days after initial startup** or **November 20, 2008**, whichever is later.
- Metal fabrication and finishing facilities** are required by EPA to submit a notification even if there is no affected process.
- Must include the following information:
  - Name, address, phone number, and e-mail address of the owner/operator.
  - Address of the affected source.
  - Statement indicating the facility is subject to this standard (40 CFR Part 63, Subpart XXXXXX).
  - Brief description of facility operations.

### Notifications of Compliance Status:

- Existing Sources** submit no later than **November 22, 2011**.
- New Sources** submit no later than **120 days after initial startup** or **November 20, 2008**, whichever is later.
- Must include the following information:
  - Company's name and address.
  - A statement by a responsible official with that official's name, title, phone number, e-mail address and signature, certifying the truth, accuracy, and completeness of the notification and a statement of whether the source has complied with the relevant standards of this rule.
  - Date of notification of compliance status.

*Please refer to the full rule text of 40 CFR Part 63, Subpart XXXXXX (available at <http://www.epa.gov/ttn/atw/area/compilation.html>) to determine all applicable equipment requirements, management practices, monitoring requirements, recordkeeping requirements and reporting requirements necessary to be in compliance with this rule. Additional information is available at <http://www.iowadnr.gov/air/prof/NESHAP/>*

### For more information or questions please contact:

Iowa Department of Natural Resources: **1-877-AIR-IOWA**  
Iowa Waste Reduction Center: **1-800-422-3109**

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