



MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

Air Quality Division

Initial Notification Report
NESHAP: Area Source Standards for Aluminum, Copper, and Other Nonferrous Foundries

40 CFR Part 63, Subpart ZZZZZZ (40 CFR 63.11544 – 40 CFR 63.11557)

Instructions

1. Who Must Complete This Form?

On June 25, 2009, the United States Environmental Protection Agency (USEPA) promulgated a National Emissions Standard for Hazardous Air Pollutants (NESHAP) for aluminum, copper, and other nonferrous foundries that meet the definition of an area source. This Notification must be sent to the USEPA and the Michigan Department of Environment, Great Lakes, and Energy (EGLE).

2. Definitions

Annual metal melt production means the quantity of aluminum, copper and other nonferrous metal melted in melting operations at an existing foundry in a given calendar year.

Annual metal melt capacity depends on whether or not the furnace(s) are permitted by EGLE, Air Quality Division. If not, then the capacity is determined by assuming the furnaces are operating at 8,760 hours per year. If they are permitted, then the capacity is determined by the maximum permitted production rate calculated on an annual basis. If the permit limits the operating hours of the furnaces, then the permitted hours are used in annualizing the maximum permitted metal production rate.

An **aluminum foundry** means a facility that melts aluminum and pours molten aluminum into molds to manufacture aluminum castings (except die casting) that are complex shapes. This definition does not include primary or secondary metal producers that cast molten aluminum to produce simple shapes such as sows, ingots, bars, rods, or billets.

An **area source** has the potential to emit less than 10 tons per year of a single hazardous air pollutant (HAP) and less than 25 tons per year of any combination of HAPs. If a facility emits more than these amounts, they are “*major sources*” and not subject to this rule.

A **copper foundry** means a facility that melts copper or copper-based alloys and pours molten copper or copper-based alloys into molds to manufacture copper or copper-based alloy castings (excluding die casting) that are complex shapes. This definition does not include primary or secondary metal producers that cast molten copper to produce simple shapes such as sows, ingots, bars, rods, billets, anode copper, or copper cake.

An **existing source** means that the foundry construction or reconstruction occurred *on or before* February 9, 2009.

Material containing aluminum foundry HAP means any material containing beryllium, cadmium, lead, or nickel in amounts greater than or equal to 0.1 percent by weight (as the metal),

or contains manganese in amounts greater than or equal to 1.0 percent by weight (as the metal), as shown in formulation data provided by the manufacturer or supplier, such as the Material Safety Data Sheet for the material, is considered to be a material containing aluminum foundry HAP.

Material containing copper foundry HAP means any material contains lead or nickel in amounts greater than or equal to 0.1 percent by weight (as the metal), or contains manganese in amounts greater than or equal to 1.0 percent by weight (as the metal), as shown in formulation data provided by the manufacturer or supplier, such as the Material Safety Data Sheet for the material, is considered to be a material containing copper foundry HAP.

Material containing other nonferrous foundry HAP means any material containing chromium, lead, or nickel in amounts greater than or equal to 0.1 percent by weight (as the metal), as shown in formulation data provided by the manufacturer or supplier, such as the Material Safety Data Sheet for the material, is considered to be a material containing other nonferrous foundry HAP.

A **new source** means the foundry construction or reconstruction occurred *after* February 9, 2009.

Other nonferrous foundry means a facility that melts nonferrous metals other than aluminum, copper, or copper-based alloys and pours the nonferrous metals into molds to manufacture nonferrous castings (excluding die casting) that are complex shapes. This definition does not include primary or secondary metal producers that cast molten nonferrous metals to produce simple shapes such as sows, ingots, bars, rods, or billets.

Reconstruction means that the fixed capital costs exceed 50 percent of the fixed capital cost that would be required to construct a comparable new foundry.

Small and Large Foundries. The definitions of large and small only pertain to copper and other nonferrous foundries. If your foundry is an **existing** source, determine your metal melt production for the calendar year 2010. If the production is equal to or more than 6,000 tons per year, then your foundry is considered **large**. If production is less than 6,000 tons, it is considered **small**. If your foundry is a **new** source and the annual melt capacity is equal to or more than 6,000 tons, then your foundry is considered **large**. If it is less than 6,000 tons, then your foundry is considered **small**.

3. Completing the Format Sections of the Form Must Be Completed and When?

Please complete company and owner information. The state registration number is an alpha-numeric number EGLE's Air Quality Division assigns to a facility. This number gets assigned when a facility submits their first air permit application or submits and reports under the Michigan Air Emissions Reporting System. If you do not know, please leave blank.

Part A: Am I Subject to Subpart ZZZZZZ?

Your foundry is subject to the NESHAP if it is an area source, it uses material containing aluminum, copper or nonferrous metal foundry HAP and has an annual metal melt production or annual metal melt capacity of at least 600 tons per year of aluminum, copper and nonferrous metals.

If your foundry is existing source, then you must determine if you are subject to the rule based on your annual metal melt production for calendar year 2010. If your foundry is new source, then applicability is based upon the annual metal melt capacity at startup.

If you checked “yes” please identify whether your foundry is a new or existing source. If existing, you have until June 27, 2011 to be in compliance with the requirements of Subpart ZZZZZZ. If new, you need to be in compliance upon startup.

If your facility is not subject the Subpart ZZZZZZ, please identify why it is not subject to the rule.

Part B: Identification of Affected Operations

Identify the melting operations at your facility and for those copper and nonferrous foundries, identify whether they are small or large.

Please complete the certification portion of the form. Please do not forget to sign the document.

4. When Must This Form Be Submitted?

For existing sources, the form was due on October 25, 2010. Please submit even though you may have missed the deadline. For new sources, submittal of the Initial notification is due 120 days after startup.

5. Where Do I Send the Completed Form?

Please make copies of this completed form and submit **the original signed copy** by United States mail, or by another courier, to the appropriate Michigan Department of Environment, Great Lakes, and Energy, Air Quality Division district office (see Attachment A). Send the form to the attention of the AQD District Supervisor. In addition, send a copy to the USEPA, Region 5 office at the following address:

USEPA Region 5
Compliance Tracker (AE-17J)
77 West Jackson Blvd.
Chicago, IL 60604

Attachment A – Air Quality Division District Office Contact Information

District	Contact Information
Bay City District	<p>401 Ketchum Street, Suite B Bay City, MI 48708-5430</p> <p>Contact: 989-798-0782 or 989-439-2282</p> <p>Counties: Arenac, Bay, Clare, Gladwin, Huron, Iosco, Isabella, Midland, Ogemaw, Saginaw, Sanilac, and Tuscola</p>
Cadillac District	<p>120 West Chapin Street Cadillac, MI 49601-2158</p> <p>Contact: 989-798-0872 or 231-492-5954</p> <p>Counties: Benzie, Grand Traverse, Kalkaska, Lake, Leelanau, Manistee, Mason, Missaukee, Osceola, and Wexford</p>
Detroit District	<p>Cadillac Place, Suite 2-300 3058 West Grand Blvd. Detroit, MI 48202-6058</p> <p>Contact: 313-456-4681</p> <p>Counties: Wayne</p>
Gaylord District	<p>2100 West M-32, Gaylord, MI 49735-9282</p> <p>Contact: 989-798-0872, or 231-492-5954</p> <p>Counties: Alcona, Alpena, Antrim, Charlevoix, Cheboygan, Crawford, Emmet, Montmorency, Oscoda, Otsego, Presque Isle, and Roscommon</p>
Grand Rapids District	<p>350 Ottawa Avenue NW, Unit 10 Grand Rapids, MI 49503-2316</p> <p>Contact: 616-356-0500 (Receptionist), 616-279-8021 or 616-540-1136</p> <p>Counties: Barry, Ionia, Kent, Mecosta, Montcalm, Muskegon, Newaygo, Oceana, and Ottawa</p>
Jackson District	<p>State Office Building, 4th Floor 301 East Louis Glick Highway Jackson, MI 49201-1535</p> <p>Contact: 517-513-9638, 517-416-5992 or 517-416-4631</p> <p>Counties: Hillsdale, Jackson, Lenawee, Monroe, and Washtenaw</p>

District	Contact Information
Kalamazoo District	<p>7953 Adobe Road, Kalamazoo, MI 49009-5026</p> <p>Contact: 269-243-0954 or 269-312-2535</p> <p>Counties: Allegan, Berrien, Branch, Calhoun, Cass, Kalamazoo, St. Joseph, and Van Buren</p>
Lansing District	<p>P.O. Box 30242 Lansing, MI 48909-7742</p> <p>Contact: 517-294-9288 or 517-275-0439</p> <p>Counties: Clinton, Eaton, Genesee, Gratiot, Ingham, Lapeer, Livingston, and Shiawassee</p>
Marquette District	<p>1504 West Washington Street Marquette, MI 49855-3118</p> <p>Contact: 906-241-0086 or 906-202-0013</p> <p>Counties: All counties in the Upper Peninsula</p>
Warren District	<p>27700 Donald Court, Warren, MI 48092-2793</p> <p>Contact: 586-412-6145 or 586-606-2572</p> <p>Counties: Macomb, Oakland, and St. Clair</p>

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Nonferrous Foundries

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Facility Information

Company Name: _____

Company Phone: _____

Mailing Address: _____

City: _____ State: _____ ZIP Code: _____

Owner/Operator Contact Name and Title: _____

Owner Phone: _____

Owner Mailing Address (if different than company): _____

City: _____ State: _____ ZIP Code: _____

Owner/Operator Email: _____

Facility Name (if different than company): _____

Facility Phone: _____

Facility Address (if different than company): _____

City: _____ State: _____ ZIP Code: _____

State Registration Number (SRN) if known: _____

Part A – Am I Subject to Subpart ZZZZZZ?

Yes, I am subject to 40 CFR Part 63, Subpart ZZZZZZ, also known as the National Emission Standards for Hazardous Air Pollutants (NESHAP): Area Source Standards for Aluminum, Copper, and Other Nonferrous Foundries.

Existing Source New Source

Date of Construction or Reconstruction: _____

No, I am NOT subject to 40 CFR Part 63, Subpart ZZZZZZ, also known as the National Emission Standards for Hazardous Air Pollutants (NESHAP): Area Source Standards for Aluminum, Copper, and Other Nonferrous Foundries, for the following reason(s):

- Major source of HAP emissions.
- Existing source and annual metal melt production for calendar year 2010 was <600 tons.
- New source and annual metal melt capacity at startup was <600 tons.
- Do not melt any materials containing aluminum, copper, and/or other nonferrous foundry.
- HAPs.
- Other: _____

If you checked "No" above, please skip part B of this form and proceed to Certification.

Part B – Identification of Affected Operations

Operations at this facility subject to Subpart ZZZZZZ:

Melting operations in the production of:

- Aluminum
- Copper
- Other Nonferrous Metals

If you selected Copper and/or Other Nonferrous Metals, identify the size of your facility (see Definitions):

- Small Large

Certification

I certify the truth, accuracy, and completeness of the information being submitted. The facility is in compliance with all relevant standards of 40 CFR Part 63, Subpart ZZZZZZ.

Signature

Date

Name: _____

Title: _____

Address: _____

City: _____ State: _____ ZIP Code: _____

Email: _____

I am the: Owner Operator Certifying Official

Please make copies of this completed form and submit **the original signed copy** by United States mail, or by another courier, to the appropriate Michigan Department of Environment, Great Lakes, and Energy, Air Quality Division Office (see Attachment A). Send the form to the attention of the AQD District Supervisor. In addition, send a copy to the USEPA Region 5 office at the following address:

USEPA Region 5,
Compliance Tracker
(AE-17J) 77 West Jackson
Blvd. Chicago, IL 60604

People with disabilities may request this material in an alternate format by emailing EGLE-Accessibility@Michigan.gov or calling 800-662-9278.

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