What Reports and Records Are Required?

Reporting:

- Submit a notification of compliance status (including a certification of compliance) for the mercury requirements and for the control of other contaminants in scrap by June 30, 2008 for existing sources or no later than 60 days after compliance date for new sources.
- Submit a notification of compliance status (including a certification of compliance) for the PM and opacity limits by June 30, 2008 for existing sources (unless you must conduct a performance test).
- If you must conduct a performance test, conduct the test within 180 days of your compliance date, and submit the notification of compliance status within 60 days of completing the test.
- Submit reports according to the compliance assurance monitoring requirements in your title V permit.
- Submit semiannual compliance reports for the control of contaminants in scrap (mercury, chlorinated plastics, lead, free organic liquids), identify any deviations from the requirements, and identify which compliance option applies to each scrap provider, contract, or shipment.
- If you are subject to the site-specific plan for mercury, submit semiannual reports of the number of switches or weight of mercury removed, number of vehicles processed, and an estimate of the percent of mercury switches removed. Also submit a certification that you have performed the required inspections or taken other means of corroboration that your scrap providers are implementing steps to minimize the presence of mercury switches in motor vehicle scrap.
- Submit reports to your permitting authority if your state has accepted delegation of this rule, to the EPA regional office if not, or contact your state representative at the link given in "**For More Information"** if you do not know.

Recordkeeping

- For site-specific plan for mercury, keep records of the number of switches or weight of mercury removed, number of vehicles processed, and an estimate of the percent of mercury switches removed.
- Keep records identifying each scrap provider and documenting their participation in an EPA-approved program. If you purchase scrap from a broker, keep records identifying each broker and documenting that the scrap provided by the broker was obtained from scrap providers participating in an approved program.
- Maintain records according to the compliance assurance monitoring requirements in your title V permit.

You can also contact your Regional EPA air toxics office at the following numbers:

Address	States	Website/ Phone Number
Region 1 1 Congress Street Suite 1100 Boston, MA 02114-2023	CT, MA, ME, NH, RI, VT	www.epa.gov/region1 (888) 372-7341 (617) 918-1650
Region 2 290 Broadway New York, NY 10007-1866	NJ, NY, PR, VI	www.epa.gov/region2 (212) 637-4023
Region 3 1650 Arch Street Philadelphia, PA 19103-2029	DE, MD, PA, VA, WV, DC	www.epa.gov/region3 (215) 814-2068
Region 4 Atlanta Federal Center 61 Forsyth Street, SW Atlanta, GA 30303-8960	FL, NC, SC, KY TN, GA, AL, MS	www.epa.gov/region4 (404) 562-9131 (800) 241-1754
Region 5 77 West Jackson Blvd. Chicago, IL 60604-3507	IL, IN, MI, WI, MN, OH	www.epa.gov/region5 (312) 886-6812 (312) 353-6684 (312) 886-6798
Region 6 1445 Ross Avenue Suite 1200 Dallas, TX 75202-2733	AR, LA, NM,OK, TX	www.epa.gov/region6 (800) 887-6063 (214) 665-7250 (214) 665-7224
Region 7 901 North Fifth Street Kansas City, KS 66101	IA, KS, MO, NE	www.epa.gov/region7 (800) 223-0425 (913) 551-7003
Region 8 1595 Wynkoop St. Denver, CO 80202-1129	CO, MT, ND, SD, UT, WY	www.epa.gov/region8 (800) 227-8917* (303) 312-6460
Region 9 75 Hawthorne Street San Francisco, CA 94105	CA, AZ, HI, NV, GU, AS, MP	www.epa.gov/region9 (415) 947-8715
Region 10 1200 6th Ave. Suite 900, AWT-107 Seattle, WA 98101	AK, ID WA, OR	www.epa.gov/region10 (800) 424-4372* (206) 553-6220

* For sources within the Region only.

For More Information

This brochure is a general guide only; review the rule for your specific requirements at:
http://www.epa.gov/ttn/atw/area/arearules.html

For more information on state requirements, please contact your state representatives at:
http://www.epa.gov/ttn/atw/area/table_state_contacts.doc or
http://www.4cleanair.org/contactUsaLevel.asp

United States Environmental Protection Agency

April 2008

www.epa.gov/ttn/atw/eparules.html

Office of Air Quality Planning & Standards (EI 43-02)

EPA

Summary of Regulations Controlling Air Emissions from

ELECTRIC ARC FURNACE (EAF) STEELMAKING FACILITIES

NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS NESHAP (SUBPART YYYYY)

FINAL RULE

ELECTRIC ARC FURNACE (EAF) STEELMAKING FACILITIES (SUBPART YYYYY)

What Is an Area Source?

- Any source that is not a major source. (A major source is a facility that emits, or has the potential to emit in the absence of controls, at least 10 tons per year (TPY) of individual hazardous air pollutants (HAP) or 25 TPY of combined HAP.)

Who Does This Rule Apply To?

- This rule applies to existing and new electric arc furnace (EAF) steelmaking facilities that are area sources. The affected source is each EAF facility, and the standards apply to EAFs and argon-oxygen decarburization (AOD) vessels.

What Am I Required To Do?

- Meet the requirements in subpart YYYYY for mercury, other contaminants in scrap, particulate matter (PM), and opacity. (See Table 1.)
- You must have or obtain a Title V permit.

How Do I Demonstrate Compliance?

- Conduct an initial performance test for PM emissions and opacity of emissions from the melt shop, or submit the result of a prior performance test if: (1) it was conducted within the past 5 years using the procedures specified in the rule, and (2) it is representative of current or anticipated operating processes and conditions.
- Monitor the capture system and control device according to the compliance assurance monitoring requirements in your title V permit.

What Are the Impacts?

- We estimate that 10 EAF facilities will have to upgrade capture and control systems to meet the emission limits. All EAF facilities (approximately 90 area sources) will have to take steps to meet the requirements for mercury and other contaminants in scrap.
- The standards will result in annual emission reductions of 5 tons for mercury, 52 tons for other metallic HAP (primarily manganese with some lead, nickel, and chromium), and 865 tons for PM.
- We estimate the capital cost of these standards as $69 million with a total annualized cost of $13 million per year.

What Are The Compliance Dates?

- New sources (affected sources constructed since September 20, 2007) must comply by December 28, 2007 or upon startup if startup occurs after December 28, 2007.
- Existing sources must comply by June 30, 2008 unless your permitting authority approves an alternative compliance date no later than December 28, 2010 based on your demonstration that the additional time is needed to install or modify emission control equipment to meet the opacity limit.
- The permitting authority may approve additional time (up to one year) beyond the dates above for existing sources under the General Provisions if the time is needed to install controls.

Table 1. National Air Toxics Standards for EAF Steelmaking Facilities 40 CFR 63, Subpart YYYYY

For...	You must...
Mercury	Comply with one of the following options for each scrap provider, contract or shipment. You may have one scrap provider, contract or shipment subject to one option and others subject to other options. 1. Prepare, submit for approval, and implement a detailed site-specific plan for the removal of mercury switches from motor vehicle scrap; 2. Certify that you participate in and purchase motor vehicle scrap only from scrap providers who participate in an EPA-approved program for the removal of mercury switches; 3. Certify that the only materials from motor vehicles in the scrap are those recovered for their specialty alloy content and that the scrap is not reasonably expected to contain mercury switches; or 4. Certify that the scrap does not contain motor vehicle scrap.
Contaminants in scrap other than mercury	Comply with one of the following options. You may have certain scrap subject to one option and other scrap subject to the other option if the scrap remains segregated until it is combined for charging to the EAF. 1. Prepare, submit for approval, and implement a pollution prevention plan for scrap selection and inspection to minimize the amount of chlorinated plastics, free organic liquids, and lead (except for the production of leaded steel). 2. Do not charge scrap that contains scrap from motor vehicle bodies, engine blocks, oil filters, oily turnings, machine shop borings, transformers or capacitors containing polychlorinated biphenyls, lead-containing components (except for the production of leaded steel), chlorinated plastics, or free organic liquids.
Particulate matter (PM)	• Install, operate, and maintain a capture system that collects emissions from each EAF and AOD vessel. • Except for small stainless or specialty steel facilities, meet a PM limit of 0.0052 grains per dry standard cubic foot for each EAF and AOD vessel. • For small (less than 150,000 tons per year) stainless or specialty steel facilities, meet a PM emission limit of 0.8 pounds per ton of steel produced.
Opacity	Maintain the opacity of emissions from the melt shop that are due to the operation of any EAF or AOD vessel below 6 percent.