

## What Is The Compliance Date?

- Existing Sources: December 28, 2009.
- New Sources: Upon initial startup.

## What Are The Permitting Requirements?

- Affected facilities must obtain a Title V permit.

## What Are The Impacts?

- Three glass plants are expected to have to add controls to comply with the rule.

## What Records Are Required?

### Reporting:

- Initial notification and notification of compliance status (may be combined), due 120 days after promulgation date
- Initial notification informs EPA that the facility is subject to the standards. Notification of compliance status provides certification of compliance with standards.
- No ongoing compliance reports to be required beyond Title V Requirements.

### Recordkeeping:

- Records to include copies of notifications submitted to EPA, glass production data, and records of monitoring and inspections.
- Records to be maintained in a form suitable and readily available for expeditious review.

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

| Address   | States                                  | Website/<br>Phone Number   |
|---|---|--|
| Region 1<br>1 Congress Street<br>Suite 1100<br>Boston, MA 02114-2023                  | CT, MA,<br>ME, NH,<br>RI, VT            | <a href="http://www.epa.gov/region1">www.epa.gov/region1</a><br>(888) 372-7341<br>(617) 918-1650                   |
| Region 2<br>290 Broadway<br>New York, NY 10007-1866                                   | NJ, NY,<br>PR, VI                       | <a href="http://www.epa.gov/region2">www.epa.gov/region2</a><br>(212) 637-4023                                     |
| Region 3<br>1650 Arch Street<br>Philadelphia, PA 19103-2029                           | DE, MD,<br>PA, VA,<br>WV, DC            | <a href="http://www.epa.gov/region3">www.epa.gov/region3</a><br>(800) 241-1754<br>(215) 814-2196                   |
| Region 4<br>Atlanta Federal Center<br>61 Forsyth Street, SW<br>Atlanta, GA 30303-8960 | FL, NC,<br>SC, KY,<br>TN, GA,<br>AL, MS | <a href="http://www.epa.gov/region4">www.epa.gov/region4</a><br>(404) 562-9131                                     |
| Region 5<br>77 West Jackson Blvd.<br>Chicago, IL 60604-3507                           | IL, IN,<br>MI, WI,<br>MN, OH            | <a href="http://www.epa.gov/region5">www.epa.gov/region5</a><br>(312) 886-6812<br>(312) 353-6684<br>(312) 886-6798 |
| Region 6<br>1445 Ross Avenue<br>Suite 1200<br>Dallas, TX 75202-2733                   | AR, LA,<br>NM, OK,<br>TX                | <a href="http://www.epa.gov/region6">www.epa.gov/region6</a><br>(800) 621-8431*<br>214-665-7171                    |
| Region 7<br>901 North Fifth Street<br>Kansas City, KS 66101                           | IA, KS,<br>MO, NE                       | <a href="http://www.epa.gov/region7">www.epa.gov/region7</a><br>(800) 223-0425<br>(913) 551-7003                   |
| Region 8<br>1595 Wynkoop St.<br>Denver, CO 80202-1129                                 | CO, MT,<br>ND, SD,<br>UT, WY            | <a href="http://www.epa.gov/region8">www.epa.gov/region8</a><br>(800) 227-8917*<br>(303) 312-6460                  |
| Region 9<br>75 Hawthorne Street<br>San Francisco, CA 94105                            | CA, AZ,<br>HI, NV, GU,<br>AS, MP        | <a href="http://www.epa.gov/region9">www.epa.gov/region9</a><br>(415) 744-1197                                     |
| Region 10<br>1200 6th Ave.<br>Suite 900, AWT-107<br>Seattle, WA 98101                 | AK, ID,<br>WA, OR                       | <a href="http://www.epa.gov/region10">www.epa.gov/region10</a><br>(800) 424-4372*<br>(206) 553-6220                |

\*For sources within the region only.

## For More Information

Copies of the rule and other materials are located at :  
[www.epa.gov/ttn/atw/eparules.html](http://www.epa.gov/ttn/atw/eparules.html)

For more information on state requirements, please contact your state representative found at the following link:

<http://www.4cleanair.org/contactUsaLevel.asp>

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



# Summary of Regulations Controlling Air Emissions for the GLASS MANUFACTURING INDUSTRY



## NATIONAL EMISSION STANDARDS FOR HAZARDOUS AIR POLLUTANTS NESHAP (SUBPART SSSSS) FINAL RULE



# GLASS MANUFACTURING (SUBPART SSSSSS)

## 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?

- Facilities with glass manufacturing furnaces producing at least 50 tons of glass per year.

## Who Is Subject To The Rule?

- Glass manufacturing plants with continuous furnaces that process urban HAP metals (As, Cd, Cr, Pb, Mn, Ni) as raw materials (not including trace materials in non-HAP raw materials such as sand).

## What Am I Required To Do?

- All affected sources must meet one of two emissions limits. New and existing sources have different monitoring requirements.

The charts on the following pages explain, in detail, how all affected glass manufacturers can comply with the rule.

### Initial testing requirement:

- One-time performance test on each furnace unless the furnace has been tested in the last 5 years and the previous test demonstrated compliance.



| Monitoring Requirements |  |  |
|-------------------------|--|--|
|                         | Baghouse   | ESP  |
| Existing                | Inlet temperature monitoring: record every 15 minutes and record every 8 hours | ESP monitoring of the secondary voltage and secondary electrical current to each field of the ESP; measure every 15 minutes and record every 8 hours |
| New                     | Leak detectors   | Install CPMS to measure and record the secondary voltage and secondary current to each field of the ESP  |
| All Sources             | Annual inspections of furnace control devices                                  |  |
|                         | Can submit a request for alternative monitoring under §60.8 or §63.8(f)        |  |

| Emission Limits                                |                            |
|--|----------------------------|
| Pollutant                                      | Emission Limit*            |
| Particulate Matter                             | 0.2 lb/ton<br>(0.1 g/kg)   |
| Combined Urban HAP<br>(As, Cd, Cr, Pb, Mn, Ni) | 0.02 lb/ton<br>(0.01 g/kg) |

\* Pounds emitted per ton of glass produced.  
(Grams emitted per kilogram of glass produced.)

