



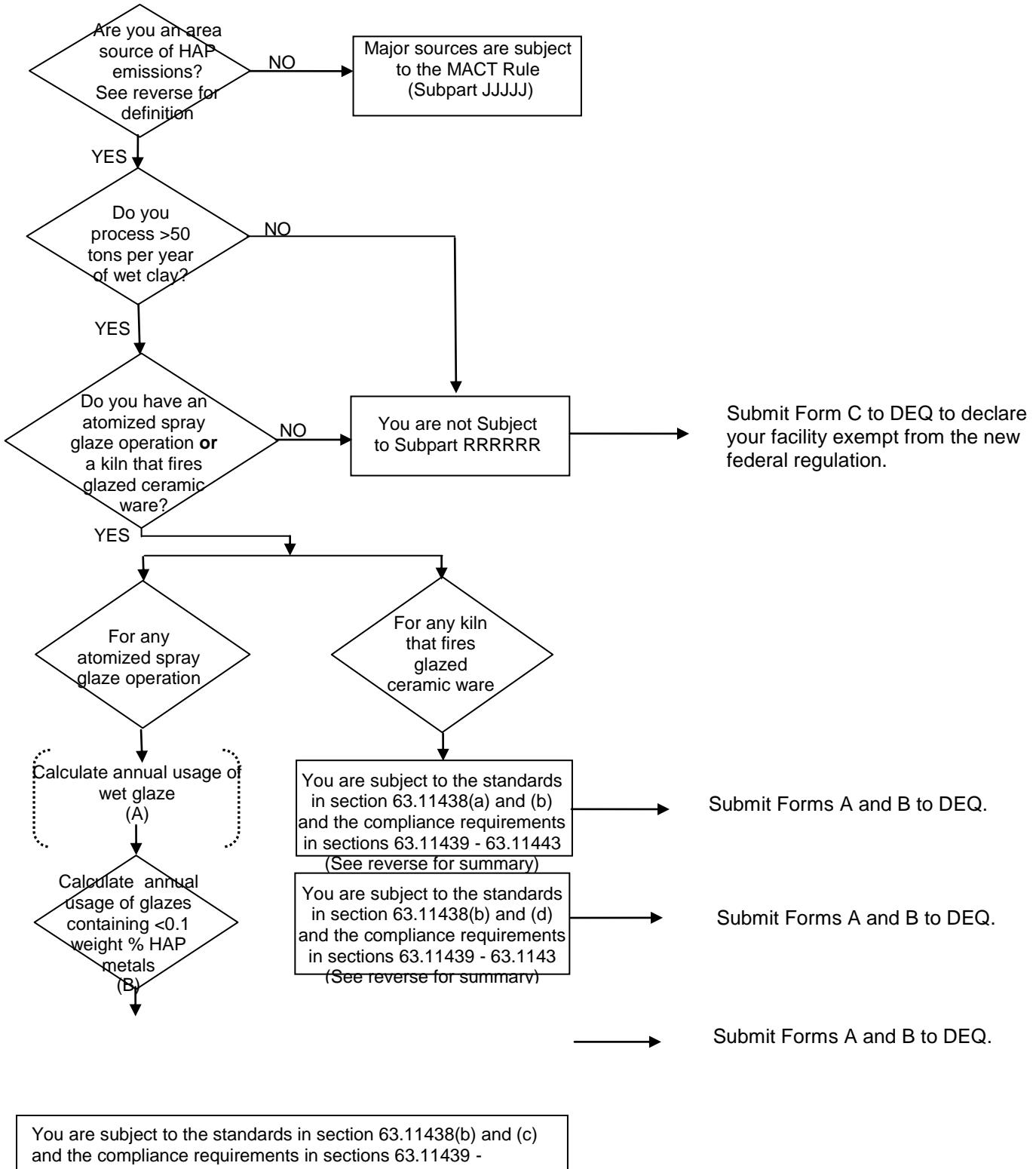
Attachment 1

Summary of Regulations Controlling Air Emissions from CLAY CERAMICS MANUFACTURING

(40 CFR Part 63, Subpart RRRRRR)

Regulatory Flowchart

What this means to you



On December 26, 2007, the Environmental Protection Agency (EPA) issued national emission standards for the clay ceramics manufacturing area source category.

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?

• All area source clay ceramics manufacturing facilities using >50 TPY of wet clay with atomized spray glazing and/or a kiln firing glazed ceramic ware. Includes facilities that manufacture pressed tile, sanitaryware, dinnerware, or pottery.

• All atomized glaze spray booths and kilns firing glazed ceramic ware.

What Am I Required to Do?

Equipment Requirements:

Atomized Spray Glaze Operations:

• There are different requirements based on how much wet glaze is used at a facility; therefore, you must maintain annual wet glaze usage records to document whether you use > or < 250 TPY wet glaze.

• Facilities using > 250 TPY wet glaze
◊ Use an air pollution control device; operate and maintain the control device according to the equipment manufacturer's specifications, **or**
◊ Use only glazes containing < 0.1 weight % of HAP metals

• Facilities using < 250 TPY wet glaze
◊ Employ waste minimization practices (e.g., high-volume, low-pressure [HVLP] spray equipment), **or**

◊ Comply with either option for facilities

◊ Approved alternative monitoring technique under section 63.8(f).

Kilns Firing Glazed Ceramic Ware:

• Daily check of peak firing temperature

What is the Compliance Date?

• Existing Sources: December 26, 2007.
• New Sources: Upon initial startup.

What Are The Permitting Requirements?

• This area source category is exempt from Title V.

What Are The Impacts?

• The only cost associated with the area source rule is for reporting and recordkeeping requirements, estimated to be \$974 per facility. This is a one-time cost.
• Emissions of HAP metals from this industry are already well-controlled as a result of existing Federal, State or local standards, permitting requirements, and/or industry practices. This area source rule is not expected to change the level of existing emissions control.

What Reports and Records Are Required?

Reporting:

• Initial Notification and Notification of Compliance Status (may be combined), due 120 days after publication of rule in the Federal Register.
• Initial Notification informs EPA that the facility is subject to the standards. Notification of Compliance status provides certification of compliance with the standards.
• No ongoing compliance reports are required beyond any pre-existing Title V requirements.

Recordkeeping:

• Records to include copies of notifications submitted to EPA and records of monitoring and inspection.
• Records to be maintained in a form suitable and readily available for expeditious review.

using > 250 TPY wet glaze (see above).

Kilns Firing Glazed Ceramic Ware:

- Maintain peak temperature < 2,800°F
- Use natural gas (or equivalent clean-burning fuel) as kiln fuel, or use electric-powered kiln.

Monitoring Requirements:

Atomized Spray Glaze Operations Equipped with Control Device:

- Initial control device inspection and one of the following:
 - ◇ Periodic control device inspection, **or**
 - ◇ Daily 30-minute Method 22 visible emissions test, **or**

This brochure is a general guide only; review the rule for your specific requirements at:

<http://www.epa.gov/ttn/atw/area/arearules.htm>