

**ALLEGHENY COUNTY HEALTH DEPARTMENT
AIR QUALITY PROGRAM**

January 6, 2014

SUBJECT: Matthews International Corporation - Bronze Division
1315 West Liberty Avenue
Pittsburgh, PA 15226
Allegheny County

Synthetic Minor Source Operating Permit: No. 0313a

TO: Sandra L. Etzel
Chief Engineer

FROM: Hafeez Ajenifuja
Air Quality Engineer

FACILITY DESCRIPTION:

The Matthews International Corporation - Bronze Division (Matthews Bronze) is a bronze foundry making bronze castings of memorials, plaques, and signs. There are five (5) major operations at Matthews Bronze: Surface Coating Operations (P001), Pattern Making (P002), Sand Molding and Handling System (P003), Metal Melting and Pouring (P004), and Casting Finishing (P005). There are numerous natural gas-fired heaters, air make-up units, boilers, ovens, furnaces, and hot water tanks.

The facility is proposing to install additional one (1) water based spray paint booth to the operation. The addition will not increase the amount of materials coated or the amount of water-based coatings used. Rather, the flow of castings to be coated will be split between the two spray booths and, accordingly, the volume of coating used will be split between the two spray booths. The installation will result in the increase of actual VOC emissions by 1.3 tons/yr.

Matthews Bronze is a synthetic minor source of sulfur dioxide (SO₂), nitrogen oxides (NO_x), and carbon monoxide (CO), as defined in section 2101.20 of Article XXI. Matthews Bronze is a synthetic minor source of particulate matter (PM), particulate matter of 10 microns or less in diameter (PM₁₀), volatile organic compounds (VOCs) and hazardous air pollutants (HAPs), as defined in section 2101.20 of Article XXI.

AMENDMENT DESCRIPTION:

This permit application is for the amendment of the Mathews International-Bronze Division Synthetic Minor Operation permit (0313), which was issued on April 24, 2013, pursuant to Article XXI, §2103.14.b. This amendment is for the following:

- 1) Section I: The contact person's name was changed from Michael Karenbauer to James L. Cessna
- 2) Condition V.A.1.q, Table V-A-1: Footnote was added to the emission limit table to note that all PM/PM₁₀ are based on the filterable fraction only;

- 3) Condition V.C.1.a: The condition revised to indicate that the operation are not completely enclosed
- 4) Conditions V.C.1.i, V.D.1.f, V.E.1.d, V.F.1.c & VIII: Footnote was added to the emission table including the emission summary table to note that all PM/PM₁₀ are based on the filterable fraction only.

The rest of the permit conditions remain unchanged.

RECOMMENDATION:

All applicable Federal, State and County regulations have been addressed in the permit application. The synthetic minor amended operating permit for Matthews International Corporation - Bronze Division should be approved with the emission limitations, terms and conditions in Amended Operating Permit No. 0313a.