

Emissions Inventory Request Form Instructions

METAL MELTING AND CASTING OPERATIONS

Please refer to the general instructions for guidance regarding the following sections: Reporting Year, Facility Identification, Permit Information, Device Information, Stack / Ducted Emissions and Fugitive Release Emissions.

MATERIAL/ PROCESS INFORMATION

Fill in all the data fields. Complete all blanks using the specified units. Report each material charged for each device.

CALCULATION METHOD SELECTION

M07-M01-Zinc Melting / Casting-Crucible/Pot Furnace-Uncontrolled
M07-M02-Brass Melting / Casting-Crucible/Pot Furnace-Uncontrolled
M07-M03-Inconel Melting / Casting-Crucible/Pot Furnace-Uncontrolled
M07-M04-Other Melting / Casting-Crucible/Pot Furnace-Uncontrolled

Annual Production (charges/year): Report the number of charges processed during the reporting year.

Avg. Charge Weight (lbs/charge): Report the average charge weight in pounds.

Annual Thru-put (lbs charged/year): Report the total pounds charged for the reporting year. This number must include re-used materials. For example, one pound of metal melted two times is reported as two pounds of thru-put.

Fraction of PM10/TSP EF that is ducted: Only required for M07 – M04, where PM10/TSP is not predetermined. Report the PM10/TSP emission factor fraction for the ducted emissions from the melting process.

Device Operating Schedule:

Daily Operation (hours/day): Report the average amount of hours the device operates in a typical day.

Weekly Operation (days/week): Report the average number of days the device operates in a typical week.

Annual Operation (days/year): Report the number of days the device operated during the Reporting Year.

POLLUTANT NAME (weight percent) - REQUIRED

Provide the weight percent of pollutant in each material charged, such as SDS or COA information. Typical pollutants are metals (e.g., cadmium, copper, chromium, manganese, nickel, and zinc). If available, provide site-specific factors in units of pounds of pollutant released per ton of material charged with supporting documentation. If reporting other/ miscellaneous materials/process that use M07-M04 Other Melting / Casting process calculation methodology, provide the PM10/TSP site-specific factor in units of pounds of pollutant released per ton of material charged for the specific material/production process and/or use AP-42 Chapter 12 sections for reference. For M07-M01/M02/M03 (Zinc, brass, and Inconel, respectively) material processes, the default emission factors will be used to estimate emissions where site-specific factors are not available or not documented. Input emission factors into EIS for submission either through direct entry through the 'Enter Emissions Inventory Data' module or through upload of an EIQ spreadsheet. Pollutants' names reported in the Excel EIQ spreadsheet need to be consistent with EIS pollutant naming convention, otherwise the pollutant data reported might not be imported correctly.