This policy and procedure provides guidance on calculating emissions of particulate matter less than 2.5 microns in aerodynamic diameter (PM$_{2.5}$) for various equipment categories. With the adoption of the revised New Source Review rules, PM$_{2.5}$ was added as a regulated pollutant. Therefore, PM$_{2.5}$ emissions must now be calculated and included in all permits issued by the District.

**Internal Combustion Equipment**
Internal combustion equipment (e.g. spark ignited reciprocating internal combustion engines, compression ignited reciprocating internal combustion engines and stationary turbines) fired on liquid or gaseous fuels should use a default PM$_{10}$/PM$_{2.5}$ ratio of 1:1 for calculating PM$_{2.5}$ emissions. This is based on the USEPA guidance (ref. AP-42 chapters 3.2 and 3.3) that all particulate from internal combustion sources is assumed to be ≤ 1 micron in diameter.

**External Combustion Equipment**
External combustion equipment (e.g. boilers, steam generators, process heaters, flares and thermal oxidizers) fired on gaseous fuels should use a default PM$_{10}$/PM$_{2.5}$ ratio of 1:1 for calculating PM$_{2.5}$ emissions. This is based on the USEPA guidance (ref. AP-42 chapter 1.4) that all particulate from gas-fired external combustion sources is assumed to be ≤ 1 micron in diameter. External combustion equipment fired on liquid or solid fuels should consult the appropriate section of USPEPA AP-42 for equipment and fuel specific PM$_{2.5}$ emission factors.

**Mineral Processing and Handling Equipment**
Mineral processing and handling equipment (e.g. crushers, screens, conveyors, silos, hoppers, storage piles, etc.) should consult the appropriate section of USPEPA AP-42 (or other District approved emission factor reference) for equipment/process specific PM$_{2.5}$ emission factors. Baghouses used to control mineral processing and handling equipment should use the manufacturer’s guaranteed PM$_{2.5}$ emission limit, or use a conservative PM$_{10}$/PM$_{2.5}$ ratio of 1:1 if a manufacturer’s guarantee is not available.

**Other Equipment**
All other equipment types should be handled on a case-by-case basis.