

OUTLINE OF A PM_{2.5} MEASUREMENT PROTOCOL

A measurement Protocol developed in cooperation with ISO/CEN to suit the needs of the TFEIP would describe both measurement methods and calculation-based methods as indicated below:-

Air Quality – Stationary Source Emissions - Quantification procedures for generating time averaged emissions factors for use in the compilation of emissions Inventories

1. Introduction
2. Scope
3. Normative References
4. Bibliography
5. Terms and definitions
6. Principles
7. Methodology for the measurement of mass emissions rates
 - 7.1 Measurement planning
 - 7.2 Standardised measurements of gas concentration and gas flow (manual/continuous)
 - 7.3 Standardised determination (including the uncertainty characteristics) of a mass flow average over time based on a time series of measured mass flow value.
 - 7.4 Quality control
 - 7.5 Uncertainty assessment
8. Methodology for the determination of emissions reduction efficiencies (both simultaneous and sequential).
9. Determination of time averaged mass emissions rates
 - 9.1 Installation level
 - 9.2 Aggregated level
 - 9.3 Filling gaps in periodic data
 - 9.4 Incomplete coverage
 - 9.5 Combining data sets numerically
 - 9.6 Quality management
 - 9.7 Uncertainty
 - 9.8 Revision of emissions factor data
10. Reporting