

Linear Model: A model where all the interrelationships among the quantities involved are expressed by linear equations which may be algebraic, differential, or integral.

Loading (atmospheric): See atmospheric loading.

Local: An arbitrary length scale to describe events in the immediate locality of a source usually of the order of 0-100 kilometers.

LRT: Long Range Transport (see LRTAP).

LRTAP: The Long Range Transport of Air Pollutants refers to the processes, collectively, by which pollutants are transported, transformed and deposited, on a regional scale (of the order of hundreds to thousands of kilometers).

Mesoscale: An arbitrary length scale between the local scale and the synoptic scale of the order of 100-500 kilometers.

μm: Micrometer ( $10^{-6}$  meters).

mb (Millibar) Level: A surface of constant pressure in the atmosphere, identified by the pressure expressed in millibars. (Common pressure levels used in air quality modeling are 925 and 850 mb levels.)

Mixing Height: The height above the earth's surface of a boundary layer inversion which is usually the upper limit of turbulent mixing activity, and which inhibits upward flux of pollutant.

Mn(II): Manganese ion, the doubly positively charged ionic form of manganese ( $Mn^{++}$ ).

Model: A quantitative simulation of the behaviour of a portion of any system.