

2. OBJECTIVES

There are many literature describing the metal emission problems, however, there is still little information related to the mechanisms of metal deposition. It is believed that realizing the measured and modeled metal transport mechanisms may provide clear picture of predicting metal emission phenomena. The modeling result can be applied to either enforcement or pollution control in the future. Therefore, this study attempts to collect total suspended particulates (TSP) and identify particle properties, meteorological factors, possible emission source and modeling around sampling area. The objectives of this study are: (1) To investigate the background data of both ambient particulate and metal concentration, then to observe its variation before and after the construction of CTSP. (2) To analyze the meteorological condition or temporal variation impact on the Total Suspended Particulate (TSP). (3) To model the local wind field information and identify the amount of pollutant emission and, (4) To identify the possible metal emission sources at sampling site.

