

MULTIPLE POINT INDUSTRIAL SOURCE COMPLEX – SHORT-TERM PERIOD REGULATORY (MPC –SPR) MODEL: AN OVERVIEW

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ABSTRACT

In order to assess the existing or future ambient Air Quality, the computer aided Air Quality models are considered as an indispensable tool. Though, Air Quality modelling can be arrived by Gaussian and Numerical model, Gaussian model is considered to be the most suitable Air quality model for regulatory application in Indian conditions. Moreover, the Air Quality modelling procedures may be varied from country to country which depends up on their own regulatory permit procedures. In India, the US-EPA preferred AAQ model such as AERMOD and ISCST3 are used for the regulatory purposes. In order to meet the need of developing our own indigenous AAQ model for regulatory purposes, this study has been devoted to develop a Multiple Point industrial source Complex model for regulatory purposes in India.

KEYWORDS: MPC-SPR, AAQ, Regulatory Purpose