METHODOLOGY FOR DEVELOPING TECHNICAL REGULATIONS: A CASE STUDY FOR ODOR ASSESSMENT AND CONTROL IN TURKEY

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Technical regulations such as “air pollution control regulation” or its parts such as odor control must be drafted not only according to the recent advancement in scientific issues but also by taking into account the national requirements like public recognition of priorities, economic situation, technical infrastructure and capability to provide enforcement. All these must be harmonized with the directives set by the organizations like EU and take into notice what other countries have done in the field. This requires developing a carefully selected methodology in drafting technical regulations. Standardization of the measurement and monitoring techniques is another very serious issue that must always be kept in mind while regulations are drafted. Possible difficulties foreseen in enforcement are the lack of laboratory capacities and know-how, collection and evaluation of data by using statistical methods. Availability of local data, public education, capacity building and sustainability of enforcement capacity are very important for the success of a new regulation. Due to the complexity of the issue, handling problems of odor and odor management has a special place in air pollution mitigation. Because odor sensation of humans must be the core of the legislation, and as this sensation is not linearly correlated with pollutant concentrations in the air or gas streams, more subjective parameters should be incorporated. In this presentation, the methodology of development of an odor regulation in Turkey under the auspieces of an EU-supported study for odor emission-immission reduction and establishment of a management policy will be explained as an example.