Class Concept

This is professional meteorological work involved in the review of air quality permit applications or in the establishment or revision of existing air quality standards. Employees either function in the permit review section or the planning section within the Division of Air Quality. Employees in the permit review section consult with permit applicants on the selection and use of appropriate mathematical dispersion models and other technical requirements of the permit process, review models and results submitted with permit applications, select and apply models to verify information submitted and either recommend the acceptance or rejection of the permit modeling technique and results. In addition, employees will conduct screen level. Employees in the planning section provide mathematical dispersion modeling expertise in support of the establishment and revision of air quality standards, consult with other state employees and industry officials, monitor air stagnation problems and report critical situations, and review and adapt existing models for use in the State. Work is performed under the general supervision of an Environmental Engineering Supervisor, an Environmental Program Supervisor, and may include other duties as assigned.

Recruitment Standards

Knowledge, Skills, and Abilities:

- Thorough knowledge of the theoretical and practical application of meteorology.
- Working knowledge of the types and uses of mathematical dispersion models or meteorological and photochemical models.
- Thorough knowledge of the federal, state and local laws, regulations, and standards relating to the abatement and control of air pollution.
- Working knowledge of industrial processes and the characteristics of their effluents.
- Ability to select, modify, adopt, and run mathematical dispersion models or meteorological and photochemical models to specific applications and to interpret their results.
- Ability to express ideas and concepts clearly in oral and written form.
- Ability to handle with tact, consistency and sound judgment the diversity of public contacts demanded in consultative services and enforcement.

Minimum Education and Experience

Bachelor's degree in meteorology from an appropriately accredited institution and one year of experience as a meteorologist; or an equivalent combination of education and experience.