

CLASS TITLE: SENIOR AIR QUALITY SPECIALIST

Class Code: 02992300
Pay Grade: 30A
EO: B

CLASS DEFINITION:

GENERAL STATEMENT OF DUTIES: To be responsible for complex work in an air quality control engineering program; to perform professional engineering work involving complex problems in air quality control engineering; and to do related work as required.

SUPERVISION RECEIVED: Works under the general supervision of a superior with latitude for the exercise of initiative and independent judgment; work is subject to review for application of accepted air quality control engineering methods and techniques.

SUPERVISION EXERCISED: As required, plans, supervises and reviews the work of subordinate engineering, technical and clerical employees assigned to assist.

ILLUSTRATIVE EXAMPLES OF WORK PERFORMED:

To perform the estimation of emission rates from various air pollution sources and source categories; the performance of air quality modeling using existing or future emission inventories; the performance of statistical analysis of measured air quality data; the technical review of applications for approval to construct, install or modify equipment which may emit air pollutants and air quality control systems; the technical inspections of large air quality sources to assure maintenance of compliance with regulations; air quality evaluations of environmental impact statements; and provide technical advice relating to the solution of air quality problems.

To be responsible for the preparation of technical plans for the attainment and maintenance of federal and state air quality standards.

To be responsible for assuring compliance with air quality control regulations and the preparation of new or modified compliance programs.

To recommend to a superior that enforcement action be taken when necessary to achieve compliance with air quality control regulations.

To be responsible for the preparation of new or the modification of existing air quality monitoring programs.

To be responsible for the preparation of air quality standards, air quality control regulations and an annual summary and evaluation of current air quality.

To be responsible for recommending to a superior the approval, non-approval, or specific changes on applications to construct, install or modify equipment which may emit pollutants and air quality control systems.

To review reports, investigations and studies, interpret findings, prepare written reports and make recommendations to a superior.

To do related work as required.

REQUIRED QUALIFICATIONS FOR APPOINTMENT:

KNOWLEDGES, SKILLS AND CAPACITIES: A thorough knowledge of the principles and practices of air quality control engineering and air quality monitoring as they relate to the control or limitation of

emissions from all air pollution sources and the attainment and maintenance of air quality standards; a working knowledge of public health and welfare problems resulting from air contaminants; the ability to read and interpret complex engineering plans and specifications, particularly those relating to industrial, municipal and institutional facilities; the ability to make recommendations on complex engineering problems relating to the improvement of the design, location, operation and maintenance of such facilities; the ability to plan, supervise and participate in air quality control engineering investigations; the ability to design an Air Quality Monitoring Network; the ability to evaluate air quality data with regard to air quality control regulations and air quality standards; and related capacities and abilities.

EDUCATION AND EXPERIENCE:

Education: Such as may have been gained through: graduation from a college of recognized standing with specialization in either Environmental Engineering, Civil Engineering with a sanitary option or Chemical Engineering; and advanced study, at the graduate level, in Environmental Engineering; and

Experience: Such as may have been gained through: employment in an engineering capacity in an air quality control engineering program.

Or, any combination of education and experience that shall be substantially equivalent to the above education and experience.

Class Revised: March 25, 2012