



POSITION OPEN

Engineer Air Quality Management

0203-001

PURPOSE OF CLASSIFICATION: The purpose of this classification is to provide engineering services on air pollution control issues, working on the permitting and enforcement processes. Duties include but not limited to: Provides technical assistance and advice to various parties regarding air pollution regulations; performing other duties as assigned by the Environmental Program Manager.

ESSENTIAL FUNCTIONS: The following duties are normal for this position. These are not to be construed as exclusive or all-inclusive. Other duties may be required and assigned. Analyzes and evaluates pollutant emissions from various sources for potential permitting. Calculates emission inventories and develops emission control and reduction strategies. Confers with public and private officials, engineers, and architects to advise on air pollution control issues. Provides engineering support for the department. Reviews plans and specifications of proposed air pollution control facilities and equipment for compliance with regulations, recommending appropriate action. Provides technical assistance to staff engaged in air pollution surveillance, inspection, and investigation. At inspections sites, analyzes plans and specifications of air pollution control devices, systems, and operations, and prepares engineering recommendations concerning acceptability or necessary modifications. Creates and maintains a Data Management System which tracks permitting and compliance data for various sources. Provides technical assistance to departmental staff on activities related to data management. Reviews zoning plans, air quality data, and meteorological data and other relevant information to evaluate potential sites for industrial source location. Organizes and supervises enforcement action against noncompliers. Overall responsibility for uploading ambient air quality data to a national data base.

ADDITIONAL JOB FUNCTIONS: Responds to and reports immediately if called upon by local regional or central office supervisors, as part of a coordinated emergency response by the Knox County Department of Health. Provides technical assistance to staff installing, operating, calibrating, and maintaining air sampling instruments and equipment. Observes and supervises testing agencies conducting source tests to speculate and quantify pollutants being emitted from a particular source. Trains technical and enforcement staff. Acts as an expert witness at hearings and court actions regarding air pollution issues.

MINIMUM TRAINING AND QUALIFICATIONS: Bachelor's degree in Engineering, or related field; with five (5) years of engineering and pollution control experience, or related field; or any equivalent combination of education, training, and experience which provides the requisite knowledge, skills, and abilities for this position.

PHYSICAL REQUIREMENTS: Must be physically able to operate a variety of machines, tools, equipment such as personal computers and printers, telephones, photocopiers, cameras, calculators, and tape recorders. Must be able to use body members to work, move or carry objects or materials. Physical demand requirements are at levels of those for sedentary work.

SALARY: \$37,786.18 annually

DEADLINE: Applications must be received in the office by November 13, 2009 (4:30 p.m.)

If you need reasonable accommodations to complete an application or for an interview, please contact the Department of Human Resources. Some accommodations take several days to arrange. Please notify us early to make the arrangements.

Non-discrimination: Knox County prohibits discrimination in employment on the basis of race, color, sex, age, religion, national origin, and disability status.

APPLY TO:

Knox County Human Resources, Room 360, City/County Building, 400 Main Street, Knoxville, TN 37902. Knox County is an Equal Opportunity Employer.