

CLASS CODE: 190105  
PAY GRADE: 22  
UNIT: AFSCME Professional  
FLSA: Exempt

## **AIR QUALITY SPECIALIST**

### **Distinguishing Features of the Class:**

Under general supervision, performs complex construction and operating permit reviews, participates in the development and implementation of policies and procedures to carry out the requirements of the 1990 Clean Air Act Amendments and performs professional inspections in the enforcement of air pollution control regulations.

### **Illustrative Examples of Work:**

1. Reviews various reports, applications for construction permits, Title V and non-Title V operating permits and other documents to insure that each conforms to departmental rules, policies, and technical standards; makes determinations based on results of the review; documents each instance of technical inaccuracy and deviation from departmental policy.
2. Conducts highly technical, complex environmental inspections at Title V and other facilities to determine compliance with applicable statutes, rules, and standards; reviews facility plans and specifications, previous inspection reports, operating records, and construction permits; observes the facility in operation; collects data and samples and performs analytical analysis where necessary.
3. Participates in the development, implementation and review of rules, policies, methods, and techniques needed to achieve and maintain compliance with ambient air quality and industry standards; assists in the development of administrative policy and code revisions; reviews current scientific literature and government regulations to remain informed of the latest trends, advancements and discoveries in air quality.
4. Responds to written or telephone requests from public or private entities or individuals for information or technical assistance on a variety of air quality or related issues to assist them with problems or questions and to clarify or explain regulations.
5. Prepares written, statistical and/or oral reports to disseminate, interpret, explain or summarize information to agency staff, environmental facility operators, governmental agencies, courts, private industry representatives and/or the general public; gives testimony at various hearings or in court proceedings as an expert witness; makes presentations to various public and professional groups on a variety of environmental topics.
6. Serves as quality assurance officer for the air monitoring program.

7. Attends training sessions and seminars on a variety of air pollution control issues.
8. Performs related duties as may be required.

**Required Knowledge, Skills, and Abilities:**

- Advanced knowledge of the principles, practices and techniques of natural science as related to air pollution control
- Knowledge of air pollution control equipment and appropriate application
- Advanced knowledge of state, federal and local environmental laws, rules and regulations and their application to air pollution programs
- Knowledge of chemicals and their environmental interactions and persistence and their toxic or hazardous properties
- Knowledge of the methods, procedures and purposes for environmental investigation and analysis
- Ability to understand and review complex, technical air pollution emission information and apply appropriate limits in the review of construction and operating permits and emission inventories
- Ability to use air pollution computer programs
- Ability to apply knowledge of scientific principles to specific environmental problems
- Ability to read, comprehend and analyze environmental laws, reports and related technical data
- Ability to effectively and tactfully deal with industry and municipal officials, staff, and the general public
- Ability to obtain an Iowa Department of Natural Resources Visible Emissions Evaluation Certificate
- Ability to express ideas clearly and concisely either orally when dealing with industry or municipal officials, staff and the general public, or in writing when preparing technical reports, charts, tables and graphs; ability to schedule and organize own work activities
- Ability to obtain a valid motor vehicle operator's license issued by the State of Iowa.

**Training and Experience:**

- Graduation from an accredited four year college or university with major course work in environmental science, chemistry, biology, physics, or engineering, and
- Three years of full time, professional experience in an environmental program in the area of air pollution or other closely related field, or
- Any equivalent combination of training and experience that will have provided the required knowledge, abilities and skills.

**Special Requirement:**

- A criminal background check may be required.

Adopted: 12/13/94  
Revised: 7/01/01  
Revised: 10/13/08