

Code: 4613

Title: AIR QUALITY ANALYST

**SUMMARY:** This classification performs technical work collecting, assembling and analyzing air quality data, and reviewing, modifying and evaluating new control methods and programs to ensure compliance with air quality standards mandated by Federal, State and local regulations. It is distinguished from the Senior Air Quality Analyst classification which operates more independently and performs more complex professional work in identifying, comparing and developing data analysis models.

**DUTIES/RESPONSIBILITIES:** (Work assignments may vary depending on the department's needs and will be communicated to the applicant or incumbent by the supervisor.)

Assembles, compiles, reduces and analyzes air quality data, using computer software applications and databases;  
Makes inventories of emissions from stationary point sources and area sources;  
Develops mathematical models to predict the dispersion, diffusion and reduction of air contaminants;  
Reports and explains meaning of air quality data to the public;  
Prepares periodic reports describing quantities and interpretations of data, including quality assurance and overall effectiveness and meaning of data;  
Conducts research and makes feasibility studies regarding changes in existing programs and new control programs;  
Develops and writes proposed new rules and regulations for controlling air pollution.

**KNOWLEDGE & SKILLS:**

Knowledge of:

- the basic principles and procedures of air pollution control;
- feasibility analysis and deductive principles applicable to technical programs;
- methods and equipment used for analyzing and monitoring air contaminants;
- meteorological and research methods;
- appropriate computer hardware, software and databases;
- the laws, rules and regulations governing air quality control.

Skill in:

- performing technical and mathematical calculations and analyses;
- developing and implementing data-analysis projects and drawing appropriate and scientifically valid conclusions;
- developing graphic models;
- keeping records and writing technical reports;
- communicating effectively, both orally and in writing;
- utilizing a calculator, appropriate computer hardware, software and databases.

**MINIMUM QUALIFICATIONS:**

(1) A Bachelor's degree from an accredited college or university with a major in environmental science, mathematics, meteorology, engineering, chemistry, physics or hazardous materials management, and two years of professional experience in environmental research, engineering, control or enforcement, or air quality control or enforcement, or hazardous materials management.

(A aster's degree from an accredited college or university with a major in one of the aforementioned areas may substitute for one year of the required experience.)

(Additional experience in environmental research, engineering, control or enforcement, or air quality control or enforcement, or hazardous materials management may substitute for the required education on a one-for-one year basis.)

**OTHER REQUIREMENTS:**

**Licenses and Certificates:** All positions require a valid Arizona Class D Driver's License at time of appointment and must be maintained as a condition of employment. Failure to obtain and maintain the required license and certificate may be ground for termination of employment.

**Physical/Sensory Requirements:** Physical and sensory abilities will be determined by position.

This class specification is intended to indicate the basic nature of positions allocated to the class and examples of typical duties that may be assigned. It does not imply that all positions within the class perform all of the duties listed, nor does it necessarily list all possible duties that may be assigned.

Pima County

12/01/78  
Updated 08/17/01(is)