

## CITY OF ST. LOUIS CLASSIFICATION SPECIFICATION

### CLASSIFICATION

**TITLE:** Industrial Hygienist

**CLASS CODE:** 5629

### GENERAL DESCRIPTION OF DUTIES:

Incumbents in this classification enforce public laws, ordinances and regulations related to the environment. Incumbents investigate reports of unusual or threatening conditions and work with businesses to keep them in compliance.

### DISTINGUISHING CHARACTERISTICS:

This is a journey-advanced-level technical classification in the Public Health Series – Environmental Health Group job family within the City of St. Louis. Incumbents within this classification perform complex duties with a variety of related tasks. The distinguishing characteristics of this classification within the series include the responsibility to work with company managers to ensure their cooperation with environmental regulations.

Incumbents work under general supervision. While workers require some supervision in most assignments, they are free to develop their own work sequences within established procedures, methods and policies. They are generally subject to periodic supervisory checks.

This is an individual contributor class, meaning the incumbent is responsible for his/her own work including output, quality and timeliness. Incumbents may, however, explain work processes and train others, such as new employees, in the same or similar job title. The individual contributor may serve as a resource or guide by advising others on how to use processes within a system or as a member of a collaborative problem-solving team.

### EXAMPLES OF WORK (Illustrative Only):

*(The list of duties is intended to be representative of the duties performed in positions within this classification. It does not include all the duties that may be assigned to a position and is not necessarily descriptive of any one position in this class.)*

Conducts technical and scientific industrial hygiene inspections and provides assistance to industries experiencing difficulties in locating and solving problems in occupational health and safety hazards.

Solves measurement and analysis problems involving heat stress, ventilation, noise, radiation, vibration, explosives, indoor allergens and presence of vapors, gases and dust by using chemical, physical and biological testing procedures.

Provides technical assistance in emergency situations including spills, releases, and dumping of substances which could be a health hazard.

Conducts noise surveys using portable detection instruments.

Drafts board bills for approval and monitors other proposed legislation and trends to recommend changes to existing regulations and codes.

Maintains and calibrates instrumentation used in sampling and analysis.

Presents expert testimony in court or before hearing boards as City health representative.

### **KNOWLEDGE, SKILLS AND ABILITIES:**

#### **Data Utilization:**

Requires the ability to perform mid-level data analysis including the ability to audit, deduce, assess, conclude and appraise. Requires discretion in determining and referencing such to established criteria to define consequences and develop alternatives.

#### **Human Interaction:**

Requires the ability to provide guidance, assistance and/or interpretation to others, such as company representatives, supervisors, and the public, on how to apply policies, procedures and standards to specific situations.

#### **Equipment, Machinery, Tools and Materials Use:**

Requires the ability to operate, calibrate, tune and synchronize, and perform complex rapid adjustment on equipment, machinery and tools such as personal computer, monitoring instruments, calibration equipment, and/or related materials used in performing essential functions.

#### **Verbal Aptitude:**

Requires the ability to utilize a variety of advisory data and information such as pollution and calibration reports, audit schedules, city and state permit documents, state and federal code regulations, instrument manuals, and other general correspondence.

#### **Mathematical Aptitude:**

Requires the ability to perform addition, subtraction, multiplication and division; calculate percentages, fractions and decimals; ability to utilize principles of basic calculus and statistical inference.

#### **Functional Reasoning:**

Requires the ability to apply principles of rational systems. Ability to interpret instructions furnished in written, oral, diagrammatic or schedule form. Ability to exercise independent judgment to adopt or modify methods and standards to meet variations in assigned objective.

**Situational Reasoning:**

Requires the ability to exercise the judgment, decisiveness and creativity required in situations involving the evaluation of information against sensory, judgmental and/or subjective criteria, as opposed to criteria that are clearly measurable or verifiable.

**Environmental Factors:**

Work is normally performed in an office environment under generally safe and comfortable conditions where exposure to irritants poses a very limited risk of injury.

**Physical Requirements:**

Requires the ability to exert very moderate physical effort in light work, typically involving some combination of lifting and carrying objects and materials of moderate weight, twelve to twenty pounds, such as electronic instruments and gas cylinders.

Requires the ability to stoop, kneel, crouch, climb and bend in order to obtain measurements.

**Sensory Requirements:**

Requires the ability to recognize and identify degrees of similarities or differences between characteristics of colors and odors associated with job-related objects, materials and tasks, such as smoke density.

The City of St. Louis is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the City of St. Louis will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the City.