



City of Kansas City, Missouri Job Class Specification

Job Title:	HAZMAT CHEMICAL ANALYST	Department:	FIRE
Job Code:	3013	Status:	NONEXEMPT
		Grade:	FM-3

Summary

This is a professional analytical position responsible for providing scientific leadership, training and education in the performance of complex chemical, biological and physical analyses for hazardous materials/WMD (weapons of mass destruction) response.

Duties and Responsibilities

- Respond to emergencies involving hazardous materials/WMD agents to provide technical resources to assist the Incident Commander (IC) in creating a planned response.
- Gather and record information, provide technical advice and assistance (including work in the Hot Zone) at a hazardous materials/WMD emergency.
- Collect, examine, and document evidence using chemical/biological sampling techniques and be able to present the findings, as an expert witness, in legal proceedings based on the results of analyses.
- Perform the more difficult and complex chemical analyses utilizing advanced instrumentation and methods on hazardous materials/WMD and related materials.
- Develop, deliver and update hazardous materials training curriculum and standards to maintain proficiencies and compliance with applicable OSHA, EPA, DOT, and NFPA rules and regulations
- Deliver hazardous materials training to meet Missouri Firefighter I/II requirements while preparing cadets/students to test for Hazmat Awareness and Hazmat Operations certification.

Technical Skills

Thorough knowledge of:

The current principles and practices of hazardous materials response, particularly as applied to air monitoring and chemical sampling. Standard emergency response practices, methods, techniques, and terminology. The sources of information that include, current literature, research, and regulatory developments in the field of hazardous materials/WMD emergency response.

Ability to:

Perform technical analyses and chemical sampling such as, biological assays, Raman spectroscopy, FT-IR spectroscopy, ion mobility spectroscopy, and gas chromatography/ mass spectroscopy. Evaluate complex data to provide advice on hazardous materials emergency response mitigation.

Education and Experience

Requires an accredited Bachelor's degree with major course work in Chemistry, Biology, Industrial Hygiene, Homeland Security, Environmental Sciences, or related sciences and 5 years progressively responsible experience.

- Certificates/
Licenses/Special
Requirements**
- Must pass a background check as prescribed by the City.
 - Will be required to pass a pre-employment drug screen and post offer physical examination as prescribed by the City
 - Must possess a valid State- issued driver’s license in accordance with the City of KCMO policies.
 - Fire Service Instructor I, Fire service Instructor II (or curriculum development course equivalent), Missouri State Approved Instructor, Hazmat Technician Certification

**Supervisory
Responsibility**

None

**Supervision
Received**

Work is performed under general supervision.

Note: This job description should not be construed to imply that these requirements are the exclusive standards of the position. Incumbents will follow any other instructions, and perform any other related duties, as may be required. Reasonable accommodation will be provided to qualified individuals with disabilities. The City of Kansas City has the right to revise this job description at any time. The job description is not to be construed as a contract for employment.

Created

7/16

Revised

03/17