

ILLINOIS DEPARTMENT OF CENTRAL MANAGEMENT SERVICES
CLASS SPECIFICATION

STORAGE TANK SAFETY SPECIALIST

POSITION CODE: 43005
Effective: 5-19-88

DISTINGUISHING FEATURES OF WORK:

Under direction, performs professional work related to the investigation, inspection, surveillance and mitigation of all aspects of the storage of petroleum, petroleum related products and hazardous materials; utilizes electronic testing equipment, takes samples and compares permit and design standards to field installation of facilities for the storage and use of regulated materials; assists higher level professional and management personnel in decisions regarding permits, variances and legal enforcement of regulations; may serve as a resource person to other staff in the conduct of field activities.

ILLUSTRATIVE EXAMPLES OF WORK:

1. Conducts detailed on-site inspections and reinspections of petroleum, hazardous and other regulated substance storage facilities; collects the information necessary for issuance/denial of permits for installation, repair, removal, or disposal of storage containers; follows procedures established by the Office of the State Fire Marshal in order to discover and eliminate existing or potential fire safety and environmental hazards.
2. As first responder to complaints or occurrences related to accidents, spills and long term releases of substances regulated by the Office of the State Fire Marshal, initiates appropriate emergency action, contacting necessary authorities/agencies if a cleanup is necessitated, and act to protect public health and safety.
3. Assists in coordinating the activities of the Office of the Fire Marshal with those of local governments and fire protection agencies; attends meetings of governmental authorities and fire service agencies and organizations to assist in understanding the Fire Marshal's petroleum and regulated substance program and to ensure compliance with the established requirements.
4. Maintains a comprehensive system of recording and reporting of all inspection and compliance data associated with the installation, repair or removal of chemical storage tanks, and activities in accordance with procedures established by the Office of the State Fire Marshal; maintains a daily, weekly and monthly activity schedules; files schedule with supervisor.
5. Prepares technical and scientific reports in response to complainants; receives detailed instructions on the use of specific procedures and techniques.
6. Attends hearings to present testimony concerning findings of the inspections and/or investigations of alleged violations.

STORAGE TANK SAFETY SPECIALIST (Continued)

7. Attends and participates in staff meetings, conferences, seminars, and ongoing training, in order to update and increase professional knowledges and abilities.
8. May serve as a resource person to inspectors and other staff by giving advice, consultation or instruction.
9. Performs other duties as required or assigned which are reasonably within the scope of those enumerated above.

DESIRABLE REQUIREMENTS:

Education and Experience

Requires knowledge, skill and mental development equivalent to the completion of four years of college with coursework in engineering, physical, or life sciences. Technical experience in petroleum handling and safety, pollution abatement, or a related field may be substituted on a year-for-year basis.

Requires two years experience in emergency and safety procedures for the mitigation and stabilization of hazardous situations, or incidents involving fire, explosion or environmental releases.

Knowledges, Skills and Abilities

Requires working knowledge of modern inspectional and investigative techniques, procedures, and equipment relating to all aspects of petroleum storage, handling, and safety.

Requires working knowledge of preconstruction plan review, (i.e., blueprint interpretation and analysis).

Requires ability to prepare detailed and comprehensive reports and records of field inspections and complaint investigations.

Requires ability to analyze and interpret scientific data relating to facilities, installations and equipment, fire, safety and environmental systems and processes.

Requires ability to successfully complete training in:

a) Occupational Safety and Health Administration Hazardous Materials Safety Course, b) Volumetric Underground Tank Testing Course, c) National Association of Corrosion Engineers' Cathodic Testing Course, and d) USEPA sponsored ground water protection course, during the initial job learning period.

Requires ability to make mathematical calculations to determine the volume of storage containers.

Requires ability to establish and maintain liaison with municipal officials, facility operators and/or owners, plant managers, or their representatives.

Requires ability to learn proper usage of testing equipment and self contained breathing apparatus.

Requires physical conditioning sufficient to adequately respond to hazardous materials incidents.