

TITLE: CHEMIST

CODE: 38922

GENERAL DESCRIPTION:

This is very responsible chemist work at the full performance level involving the chemical and physical analyses of water and water treatment chemicals.

Work involves responsibility for safe testing of water samples Duties include testing and analyzing water and chemical samples, tabulating reports and maintaining laboratory certification. This position also has the responsibility for making standard water treatment chemical testing technical decisions. This work requires that the employee have good knowledge, skill and ability in chemistry and laboratory methods, principles and practices.

SUPERVISION RECEIVED:

Works under the general supervision of the Water Treatment Laboratory Administrator.

EXAMPLES OF DUTIES

Performs chemical and physical analyses of water samples by wet chemistry and instrumentation, including gas chromatography, in accordance with state approved methods.

Analyzes chemical shipments for adherence to specifications.

Formulates and implements Quality Assurance Program for chemistry quality control. Performs chemical and physical proficiency tests for maintenance of State Certification.

Tabulates and compiles test data and prepares reports.

Maintains laboratory instruments and analytic equipment and orders supplies. Maintains first aid supplies.

Performs all laboratory procedures in a safe manner and observes all safety procedures, especially in handling carcinogenic and other hazardous samples and materials.

Performs related work as required.

KNOWLEDGE, SKILLS AND ABILITIES:

Good knowledge of chemical and physical analysis principles and practices as applied to water treatment.

Good knowledge of test laboratory principles and practices as applied to water treatment.

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Good ability to conduct chemical and physical analyses of water samples and materials accurately and safely.

Considerable ability in oral and written communications.

Good ability to prepare laboratory reports and to maintain laboratory records.

Considerable ability to establish and maintain effective working relationships with coworkers, vendors and other governmental agencies.

QUALIFICATIONS:

A bachelor's degree from a recognized college or university in chemistry plus two years of progressively responsible experience in chemical laboratory analytical work.

SPECIAL REQUIREMENTS:

None.