

LABORATORY TECHNICIAN II

Class Definition

Under supervision, performs standardized chemical and biochemical analyses of water, raw and digested sludges, sewage and similar materials, in accordance with prescribed methods.

Distinguishing Characteristics

Laboratory Technician II is the journey level class in the Laboratory Technician series. Work includes standardized organic and inorganic chemical analysis, bacteriological analysis, instrumentation, quality assurance, and preparation of reagents and media. Work effectiveness is determined through precision and accuracy of results and proficiency in performance of analysis. This class is distinguished from Senior Laboratory Technician in that incumbents of the latter provide lead direction to an assigned shift in the Wastewater Laboratory. It is distinguished from Laboratory Technician I in that the latter is the entry level.

Typical Tasks

(An incumbent may not be assigned all duties listed, nor do the examples cover all duties which may be assigned.)

Performs routine qualitative and quantitative chemical and biochemical analyses of sewage, water, soil, or other materials by standardized and predetermined methods, i.e., total cyanide, chemical oxygen demand, oil and grease, atomic absorption spectrophotometry, gas chromatography, volatile and suspended solids, volatile acids, alkalinity, chlorides, biochemical oxygen demand, coliform MPN, and other analysis.

Assists other laboratory personnel in the performance of more complex tests and analyses.

Operates and cleans various laboratory devices and equipment.

Performs routine calculations in analysis determination and report writing.

Records test data and keeps records pertaining to analysis using the Laboratory Information Management System.

Performs related duties as required.

Knowledge, Abilities, and Skills

Knowledge of modern laboratory techniques and procedures as related to the analysis of sewage and water.

Knowledge of the care, maintenance, and operational requirements of laboratory equipment and apparatus.

Knowledge of the principles of organic and inorganic chemistry.

Knowledge of microbiological techniques and equipment sterilization.

Knowledge of quality control/quality assurance procedures.

Ability to perform standard laboratory examinations in a safe and efficient manner.

Ability to establish and maintain effective working relationships.

Minimum Qualifications

One year of experience equivalent to that gained as a Laboratory Technician I with the City of Fresno.

Necessary Special Requirements

Valid California Water Pollution Control Association Grade II Laboratory Technologist certification is desirable.

Possession of a valid California Driver's License at time of appointment.

APPROVED: (Signature on file)
Director of Personnel Services

DATE: 08/19/88

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