

LABORATORY TECHNICIAN

DISTINGUISHING FEATURES OF THE CLASS:

This is technical work involving responsibility for independently performing routine and moderately difficult chemical, microscopic and bacteriological tests in a laboratory. Work is usually performed under the general supervision of a higher ranking laboratory technician or other supervisor with detailed instructions given only on new or unusual assignments. Supervision occasionally may be exercised over subordinate laboratory personnel.

TYPICAL WORK ACTIVITIES:

1. Prepares culture media and bacteriological stains and dyes for bacteriological examination;
2. Independently performs routine and moderately difficult chemical, microscopic and bacteriological tests;
3. Independently tests sewage influent and treated effluent for temperature, pH, settleable solids, suspended solids, sludge volume index, sludge age, dissolved oxygen, chlorine residual, biochemical oxygen demand, chemical oxygen demand and nitrates;
4. Records results of tests;
5. Prepares and standardizes reagents;
6. May requisition supplies;
7. Cleans, sterilizes and sets up laboratory equipment;
8. Does related work as required.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:

Good knowledge of standard laboratory practices and techniques, equipment and terminology; working knowledge of the principles and terminology of bacteriology and inorganic chemistry; ability to perform routine and moderately difficult laboratory tests; ability to understand and follow technical oral and written instructions; ability to work alone; good powers of observation; physical condition commensurate with the demands of the position.

MINIMUM QUALIFICATIONS:

Graduation from high school or possession of a high school equivalency diploma and:

- EITHER: (A) Completion of a formal laboratory training course and one (1) year of full-time experience in laboratory work performing tests;
- OR: (B) Completion of two (2) years of college with major course work in biology and/or chemistry;
- OR: (C) Two (2) years of full-time work experience in a laboratory performing tests;
- OR: (D) An equivalent combination of training and experience as contain in (A), (B) and (C) above.

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ADOPTED: 05/16/74

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