

Jurisdictional Class: Competitive
EEO Category: Technicians
Revised: 04/11/2023

FIELD TECHNICIAN

DISTINGUISHING FEATURES OF THE CLASS: This position involves responsibility for taking and maintaining the integrity of industrial waste samples which will be used to assess industrial user charges and enforce pretreatment requirements. The incumbent is responsible for taking the samples in the field, following standard protocols for sampling and flow monitoring equipment, preparation of sampling and industrial facility inspection reports, and performance of minor and routine analytical testing of wastewater. The incumbent will work with operations crews when needed. The work is performed under direct supervision of the Industrial Waste Chemist. The incumbent performs related work as required.

TYPICAL WORK ACTIVITIES: (Illustrative Only)

Takes industrial and intra-plant waste samples and wastewater flow measurements with, at times, the assistance of a sewer maintenance worker and performs industrial facility inspections related to the pretreatment process;
Collects automated samples from industrial process and manholes;
Sets up and maintains flow monitoring and sampling equipment;
Follows sample preservation and compositing procedures;
Maintains chain of custody procedures and records during sampling events;
Prepares sampling and inspection reports;
Provides assistance to Industrial Waste Chemist in preparing the information required for pretreatment reports to State and Federal agencies;
Performs minor/routine laboratory analytical testing of industrial waste as required by the Industrial Waste Chemist;
Uses and maintains safety equipment used during sampling events;
Works with operations crews when needed;
Meets with representatives of industry to review industrial waste samples and findings;
Assists the Industrial Waste Chemist with other duties as may be applicable to enforcement of the Sewer Use Rules and Regulations.

FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS: Working knowledge of chemical, physical and biological principles of wastewater collection and treatment; working knowledge of sampling, flow measurements and basic laboratory techniques, equipment and terminology; working knowledge of safety equipment needed to sample in manholes and industrial processes safely; working knowledge of principles of environmental health, as related to wastewater collection of treatment; skill in operation and care of equipment for sampling, flow measurement, and basic laboratory analysis; ability to understand and carry out technical oral or written instructions; ability to accurately prepare technical reports related to sampling and industrial inspection; good mechanical ability.

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MINIMUM QUALIFICATIONS: Either:

- (A) Possession of Associate's Degree in laboratory technology, chemistry, bacteriology, biology, sanitary science, or environmental health; **OR**
- (B) Graduation from high school or possession of a high school equivalency diploma, **AND** two (2) years of experience involving the collection and basic laboratory analysis of samples using manual and automated techniques and devices.

SPECIAL REQUIREMENT: Possession of a valid New York State driver's license at time of appointment. License must remain valid throughout appointment.

NOTES:

- 1. Sixty (60) college credit hours in chemistry, bacteriology, biology, laboratory practices, sanitary science and environmental health may be substituted for the experience requirement above.
- 2. Degree(s) must have been awarded by a college or university accredited by a regional, national, or specialized agency recognized as an accrediting agency by the U.S. Department of Education/U.S. Secretary of Education. If the degree was awarded by an educational institution outside the United States and its territories, the candidate must provide independent verification of equivalency. A list of acceptable companies who provide this service can be found on the Internet at <http://www.cs.ny.gov/jobseeker/degrees.cfm>. Candidates will be required to pay the evaluation fee.

Adopted: 06/28/1985

Revised: 05/21/1996, 09/27/1996, 10/23/2009, 04/20/2011, 01/23/2012, 01/15/2020, 04/11/2023