

## **WASTEWATER TREATMENT TESTING ASSISTANT**

**DISTINGUISHING FEATURES OF THE CLASS:** This is routine work involving the collection and testing of wastewater samples at an activated sludge wastewater treatment plant. Testing is performed in accordance with standards set by the New York State Department of Environmental Conservation as well as other local, state and federal regulations. The work is performed under the direct supervision of the plant's Chief Operator or a higher-level administrator in accordance with prescribed policies and procedures. Does related work as required.

### **TYPICAL WORK ACTIVITIES:**

Performs physical, chemical and bacteriological testing of wastewater samples including bio-chemical oxygen demand (total, soluble and carbonaceous), chemical oxygen demand, solids (suspended, total and volatile), total alkalinity, hydrogen ion concentration, temperature, conductivity, coliform count and chlorine (total, residual, free);

Performs daily calibration of laboratory instruments;

Maintains detailed testing records and prepares necessary reports;

Monitors laboratory inventory and ensures adequate supplies and equipment are available for daily operations;

Cleans, sterilizes and maintains laboratory equipment, glassware and instruments;

Prepares laboratory reagents and solutions required for wastewater sample analysis;

Ensures laboratory cleanliness and safety;

Collects wastewater samples from various plant and field locations which may involve travel to local field sites;

May participate in annual state proficiency testing.

### **FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES AND PERSONAL CHARACTERISTICS:**

Working knowledge of standard laboratory practices, techniques and equipment; working knowledge of processes for conducting simple laboratory tests and preparation of test solutions relating to wastewater testing at an activated sludge plant; working knowledge of the Standard Methods for the Examination of Water and Wastewater manual issued by the New York State Department of Health; ability to perform a variety of wastewater tests and provide accurate results; ability to organize data into tables and records; ability to understand and follow oral and written directions.

**MINIMUM QUALIFICATIONS:** Graduation from high school or possession of an equivalency diploma and:

1. Six (6) months of paid work experience in a laboratory which involved preparation of solutions and/or testing; or
2. Successful completion of a college-level Biology or Chemistry course; or
3. Any New York State certification that included a course in testing wastewater.

**SPECIAL REQUIREMENT:** A valid driver's license appropriate for the size and kind of vehicle being operated.

R.C.D.P. (07.28.2025) 10.10.2025  
Competitive

06.18.2025 New York State Civil Service approved Non-competitive title in the NY HELPS Program.