

**MIDDLESEX COUNTY UTILITIES AUTHORITY
JOB OPENING**

JOB TITLE: Senior Environmental Quality Scientist

DEPARTMENT: Environmental Quality
LOCATION: Central Treatment Plant
SALARY LEVEL: E-5 (\$54,390.00-\$124,060.00)
REPORTS TO: Environmental Quality Administrator-WW

DIVISION: Wastewater
EXEMPT: Yes
SHIFT: No
REVISED: 11/24/2021

SUMMARY: Assists with the daily operational and administrative activities that take place in the MCUA Environmental Quality Department by performing the following duties personally or through subordinates.

ESSENTIAL DUTIES & RESPONSIBILITIES: Include the following and others as assigned.

Assist the Environmental Quality Administrator in planning and coordinating activities related to the MCUA facility plan and water quality management plan.

Participate in the preparation and review of monitoring reports, permit applications, and renewals required by the NJDEP.

Assist with the coordination of process control, sampling, and analysis programs with the EQ Scientist, assigned engineers and General, Operations, and Solids Superintendents.

Analyze laboratory data and reports including permit related reports regarding monitoring activities as required.

Assists with the implementation and regulatory compliance of the Authority's Discharge Prevention Containment and Countermeasure, Discharge Cleanup and Removal, and Stormwater Pollution Prevention Plans, as well as the Air Monitoring Program.

Assist with the Authority's involvement in the New Jersey Harbor Dischargers Group.

Collaborate with the EQ Scientist, and Laboratory and Operations staff on the septage and liquid waste receiving program.

As requested, confer with legal counsel, other department heads, division managers, engineers, and administrative staff, as well as consulting engineers, contractors, regulatory and government officials or agents to resolve environmental quality problems and recommend measures to improve performance or operating requirements.

As requested, work with the Industrial Pretreatment Program to evaluate new sources of wastewater discharges to ensure compatibility with the Authority's treatment plant processes and to determine impacts on the effluent, sludge, and air quality.

Coordinate monitoring and compliance requirements related to regulatory permit activities with the Environmental Quality Administrator and provides technical assistance as needed.

Review and interpret environmental laws and regulations as they pertain to air, solid waste, wastewater, sludge, water supply, and sludge-derived products.

Review specifications and designs and assist in the preparation of bid documents as required.

Review, tabulate, and interpret statistical analyses of laboratory and field data.

As requested, prepare and monitor budget, policies, practices, and goals in the Environmental Quality department.

Assist with training and education of employees to improve work performance and acquaint employees with Authority policies and procedures.

Comply with and enforce applicable safety and health policies and procedures.

SUPERVISORY RESPONSIBILITIES: Supervise employees in the Environmental Quality Department. Carry out supervisory responsibilities in accordance with Authority policies and applicable laws. Responsibilities include interviewing, hiring, and training employees; planning, assigning, and directing work; appraising performance; addressing complaints and resolving problems.

QUALIFICATION REQUIREMENTS: To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. The requirements listed below are representative of the knowledge, skill, and/or ability required.

EDUCATION and/or EXPERIENCE: Bachelor of Science Degree (B.S.) with major coursework in biology, chemistry, environmental or related sciences, or appropriate engineering disciplines; five (5) years related experience and/or training of which one (1) must be in a management or supervisory capacity in wastewater process control, environmental compliance, or related public sector environmental or regulatory agency operation; or equivalent combination of education and experience.

LANGUAGE SKILLS: Ability to read, analyze, and interpret scientific and technical journals, laboratory reports, and regulatory documents. Ability to effectively present information and respond to inquiries or complaints from management, participants, government/regulatory officials, members of the business community, or the general public. Ability to write reports, business correspondence, and procedure manuals.

MATHEMATICAL SKILLS: Ability to work with mathematical concepts such as probability, statistics, and geometry. Ability to apply concepts from algebra and calculus to practical situations.

REASONING ABILITY: Ability to define problems, collect data, establish facts, and draw valid conclusions. Ability to interpret an extensive variety of technical instructions in mathematical or diagram form and deal with several abstract and concrete variables.

OTHER SKILLS AND ABILITIES: Thorough knowledge of and ability to analyze, interpret, and implement environmentally related Federal, State, and local laws, rules, regulations, ordinances, policies, standards, and procedures as they apply to the operation of wastewater facilities; knowledge of wastewater collection, treatment and processing, water quality monitoring, sampling and analysis; application requirements for regulatory permits; field sampling and analysis quality assurance/quality control requirements; and the preparation of monitoring reports for regulatory agencies. Ability to collect, investigate, edit, analyze, and interpret significant information and data and to prepare concise, accurate reports and recommendations. Ability to use applicable computer hardware and programs. Must be able and willing to utilize appropriate respiratory and safety equipment required to perform duties.

PHYSICAL DEMANDS: While performing the duties of this job, the employee is frequently required to sit and talk or hear. The employee is occasionally required to walk; have manual dexterity; reach with hands and arms; and smell. The employee must occasionally lift and/or move up to 25 or more pounds. Specific vision abilities required include close vision, distance vision, color vision, depth perception, and the ability to adjust focus.

LICENSES: Must possess a valid state of residence Driver's License and meet Authority insurance requirements.

PREFERED CREDENTIALS: Possession of Class 1 or higher S- license issued by the New Jersey Department of Environmental Protection.

WORK ENVIRONMENT: While performing the duties of this job, the employee is frequently exposed to industrial strength chemicals. The employee is occasionally exposed to fumes or airborne particles. The noise level in the work environment is usually quiet.

INSTRUCTIONS TO APPLY FOR THIS POSITION:

Anyone interested in applying for this position should submit a current resume and a letter of interest explaining how the candidate meets the job requirements **before 4:00 PM Monday December 13th, 2021, Human Resources Office, Central Administration Building, Room 124, Sayreville or to mwwiater@mcua.com.**

Employees who are newly hired or accept a new position within the Authority, those who are promoted to a new job classification or have been transferred to a new assignment, and former employees who have been rehired, are classified as Conditional Employees for a period of six (6) months beginning with the first day on the new job. Any current employee who accepts and begins working in this position may not be able to return to their old position, or to any other position within the Authority, because of withdrawal or removal from, or inability to perform in this position. Qualified employees are encouraged to apply for posted positions as they occur.

The MCUA is an Equal Opportunity Employer (EEO/AA).