



LAKEWOOD TOWNSHIP MUNICIPAL UTILITIES AUTHORITY

Job Title: GIS/GPS Technician

In order to be considered for the position a **completed Application for Employment and resume must be submitted** via email to careers@lakewoodmua.com. Applications for Employment can be found at <http://www.lakewoodmua.com/forms.php>.

Job Summary:

This position requires an initiative-taking problem solver to support the development, implementation, and maintenance of an ESRI based GIS system. This position will report to the GIS/Cybersecurity specialist.

General Position Description:

The GPS/GIS Technician, under the direction of the GIS/Cybersecurity Specialist guidance, is responsible for collecting, maintaining, and updating geospatial data related to the utility's water and wastewater infrastructure. This includes utilizing Eos GPS equipment for field data collection, managing data within GIS software, and creating maps and reports to support operations, maintenance, and planning activities.

Key Responsibilities:

- **Data Collection:**
 - Utilize GPS equipment to accurately locate and map water and wastewater assets, including pipes, valves, hydrants, manholes, pump stations, and treatment facilities.
 - Collect attribute data related to assets, such as material, size, installation date, and maintenance history.
 - Perform field inspections to verify the accuracy of existing GIS data and update as needed.
 - Capture and integrate data from various sources, including as-builts, surveys, and other records.
- **Data Management:**
 - Input, maintain, and update geospatial data within the utility's GIS database.
 - Ensure data quality and integrity through regular quality control checks.
 - Develop and maintain geodatabases, feature classes, and attribute tables.
 - Assist in the development and implementation of GIS standards and procedures.
- **Mapping and Analysis:**

- Create maps and exhibits for various purposes, including work orders, asset management, planning, and presentations.
- Perform spatial analysis to support decision-making, such as identifying areas of risk, optimizing maintenance schedules, and planning infrastructure improvements.
- Generate reports and summaries based on GIS data.
- **Other Duties:**
 - Assist other departments with GIS-related tasks as needed.
 - Stay current with new technologies and best practices in the field of GIS.
 - Perform other duties as assigned.

Qualifications:

- **Required**
 - Associate's or Bachelor's degree in GIS, geography, computer science, or a related field or equivalent work experience
 - A valid NJ driver's license.
 - Strong attention to detail and problem-solving skills
 - Good communication and teamwork skills
 - This job will require working outdoors, extensive walking, and carrying equipment and gear
- **Preferred:**
 - Experience with the Esri software environment
 - Experience with GPS data collection and management
 - Knowledge of water or wastewater utilities
 - Python, SQL, or other programming knowledge
 - Any BIM, CAD, or other modeling experience

Benefits:

- Dental Insurance
- Flexible spending account
- Health Insurance
- Life Insurance
- Paid time off
- Retirement Plan
- Vision insurance

Job Type: Full-time

Schedule: Monday to Friday

Pay: \$35,000.00 - \$60,000.00 per year

Please call Melissa Hammond, Human Resources Administrator, at (732) 363-4422 Ext. 109 with any questions.