

JOB ANNOUNCEMENT

POSITION: Engineering GPS Tech I
DIVISION: Engineering
SALARY: \$20.11 - \$21.85 hourly

POSTED: June 18, 2019
APPLICATION DEADLINE: Until Filled

UNION: This position is included in the American Federation of State, County, and Municipal Employees Union (AFSCME) and will be filled in accordance with the provisions of the Collective Bargaining Agreement.

DUTIES: Work in the field to collect data for water and sewer network assets including valves, mains, hydrants, service lines, service connections, curb boxes, meters, vaults, manholes, cleanouts, sewers, catch basins, areas of repair, etc. throughout the PWSA system. Operate survey grade GPS equipment in the field, mapping assets, inspecting as needed, and recording relevant attributes using GPS/GIS collection equipment and software to support PWSA projects. In the event of poor GPS signal and if required, manually capture data in the field and convert manual measurements in the office into the appropriate data format. Review and correct collected data integrity errors, as applicable, and subsequently input, update, and maintain GIS feature classes, tables, and links within and related to the PWSA's GIS databases. Create basic maps using GIS, as needed. Assist with coordinating and planning field work in support of PWSA projects. Position is predominantly outdoors and requires walking, hiking and/or driving between assets with all pertinent equipment including (but not limited to): computer, GPS unit, digital camera, and rangefinder. Must record daily reports of all assignments and locations visited; performs work in accordance with established PWSA policies and procedures; and performs activities and functions of related lower-level personnel and such other related tasks and duties that are assigned or required.

KNOWLEDGE/ABILITIES:

- College or technical school degree in geography, GIS, land surveying or related field is preferred.
- 2+ years of professional experience utilizing GPS equipment and related software is required.
- Previous experience using Trimble GPS equipment preferred – Trimble R2 Centimeter Rover a plus.
- GIS software experience is required with Esri ArcGIS experience preferred.
- Experience with Collector for ArcGIS a plus.
- Water and Sewer (Sanitary and Storm) utility experience preferred.
- Working knowledge of computers and Microsoft products – highly tech savvy is a plus.
- Proficiency in Microsoft Word and Excel is required.
- Proficiency in Microsoft Access (database) is preferred.
- Strong inclination for technology and ability to troubleshoot technical issues in the field is preferred.
- Previous outdoor field work experience a plus.
- Ability to read, interpret, and follow maps is required.
- Ability to read and interpret engineering and construction drawings is required.
- Able to write legibly.
- Able to understand and carry out verbal and written instructions, establish and maintain an effective professional relationship with management and co-workers and represent PWSA values to the public.
- Able to stand, stoop, reach, walk, climb in urban and rugged environments for up to 10 hours per day.
- Able to maneuver amongst rough uneven terrain, steep hillsides, creeks, busy heavily traveled roadways, remote areas, commercial, secured and residential properties etc.
- Able to lift and leverage 50 lbs.
- Able to work in all weather conditions.
- Able to safely operate a pickup truck and SUV.



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GENERAL REQUIREMENTS: Candidate must be domiciled in City of Pittsburgh at the time of appointment and remain domiciled in the City of Pittsburgh throughout employment with the PWSA. Verification of City residency required at time of appointment.

Applicant must present a current, valid Class C (Class 1) PA Motor Vehicle Operator's License at the time of application or prior to appointment. A clean Motor Vehicle Record is required. A valid driver's license must be maintained throughout employment.

MEDICAL EXAMINATION: Required prior to appointment.

APPLICATIONS: Available in the Human Resources Department, 1200 Penn Avenue or online at www.pgh2o.com. Please send the application, resume and cover letter to hr@pgh2o.com

You may be considered for other available positions based on qualifications provided on your employment application.

An Equal Opportunity Employer

The PWSA does not discriminate against anyone based on race, color, religion, ancestry, national origin, place of birth, sex, sexual orientation, family status, age, or non-disqualifying disability, or on any other basis protected by federal, state or local law.