



| INTERNAL TRANSFER OPPORTUNITY | | | |
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| JOB TITLE | Environmental Engineer 1, 2, or Specialist | | |
| CLASS CODE | 3B61, 3B62, 3B74 | PREPARED BY | PWD HR |
| DATE LISTED | 8/12/2022 | CLOSING DATE | Until filled by transfer or appointment |
| JOB LOCATION | Jefferson Tower, 1101 Market Street, 2 nd Floor | NUMBER OF POSITIONS | 1 |
| DIVISION/UNIT | Planning and Environmental Services/Planning and Research | REPORTS TO | Sean McKelvey |
| GROUP | Applied Research Group/Demonstration Program | | |
| POSITION DETAILS | | | |
| UNIT OVERVIEW | The Planning and Research (P&R) Unit of the PWD provides long-term solutions through planning and research approaches for the City’s drinking water and wastewater systems. The Applied Research Group (ARG) in Planning & Research focuses on the functions of applied research, innovative piloting opportunities, and knowledge management for the department into one cohesive program. The combined mission of this group is to conduct process, regulatory, and innovative research, to pilot innovative and cost-effective processes and technologies, and to track and manage the research portfolio of the department and our external partners. | | |
| POSITION OVERVIEW | The Demonstration Planning Program is the lead program for the ARG’s onsite treatment piloting efforts. This program plans for, operates, and maintains onsite piloting equipment, for the evaluation of technologies for both water and wastewater treatment. This program will focus on holistic water treatment train piloting to support decision making for the Queen Lane Water Treatment Plant rebuild, and for piloting emerging mainstream ammonia reduction technologies at PWD’s water pollution control plants. A graduate environmental engineer will support the planning, design, and operation of these piloting efforts. They will assist with sample collection, field sample analyses data evaluation, and report writing. Organizational, communication, data analytics, and technical writing skills are core competencies necessary to effectively perform the duties of this position. | | |
| DUTIES AND RESPONSIBILITIES | <p>An ideal candidate will partake in varying assignments across the spectrum of demonstration projects across the utility. Daily tasks include pilot operations and maintenance, sampling, field analysis, report writing, and research/project planning. These tasks may include the following:</p> <ul style="list-style-type: none">• Collection of samples and field analyses of samples from the piloting efforts.• Operations and maintenance on piloting equipment.• Compiling, analyzing, and interpreting data collected from field locations or database.• Review and development of pilot test plans and pilot schedules.• Review and commenting on engineering technical reports.• Preparing meeting notes, sample field logs, and lab notes• Modeling technological and process alternatives.• Conducting literature reviews for various engineering research projects.• Collaborate with both external and internal research stakeholders.• Supporting general planning and research activities to improve the short- and long-term operational capabilities of the drinking water and wastewater resource recovery systems.• Effectively communicate complex information in a presentation format to both technical and non-technical audiences.• Have strong analytical and data analysis skills.• Write technical reports and memoranda. | | |
| DIRECT REPORTS Y/N | N | | |

PWD employees interested in internal transfer opportunities must have permanent status in the title advertised above. If you are interested in being considered for this internal transfer opportunity please email your resume to Sean McKelvey at sean.mckelvey@phila.gov, Adam Hendricks, at adam.hendricks@phila.gov, and Oneather Kent-Fulton, HR Manager, at Oneather.kent-fulton@phila.gov. You must indicate the opportunity and unit you are interested in in the subject line of your email.