

**Job Title:** INTERN Part-time Temporary  
Albuquerque Bernalillo County Water Utility Authority  
WASTEWATER COLLECTION SECTION  
**Location:** 4201 2nd St. SW - Albuquerque, NM 87105

**POSITION SUMMARY:** The Collection Section operates an engineered system including approximately 2400 miles of linear sewer assets, i.e. pipes, manholes, etc. and facilities consisting of approximately 60 pump and vacuum stations and 20 odor control stations.

The Intern will be directly involved with improving the operation and the function of the system, working on practical engineering problems. The Intern will work with a wide range of staff as well as consulting engineers, vendors, and other government agencies. The Intern will work closely with Section Operation & Maintenance (O&M) staff including Superintendents, Supervisors and Wastewater Operators. Other Water Authority staff include engineering, Geographic Information System (GIS), and Information Technology (IT). The Intern will receive mentorship and support from three Civil Engineers within the Section; two are Registered Professional Engineers. Flexible work schedules are also available.

The Collection Section faces real world engineering challenges involving: hydraulics, liquid flow, and pneumatics, air flow including vacuum systems; pipe and structure rehab; soil loadings; odor and corrosion in both the liquid and air phase, involving numerous technologies; chemistry and biology; soils; and pumps. An Intern is routinely involved in addressing these challenges. The Section is responsible to identify and implement innovative solutions to operate and maintain the sewer system more effectively. The Section is nationally and internationally engaged with other utilities and professionals to develop and implement new solutions. The Section is also required to coordinate with various local, state, and federal agencies as part of its regulatory compliance and reporting.

The tasks vary depending on the challenge being addressed and will include field observations, data gathering and analysis. Another task will be the development of Standard Operating Procedures / Training Program documents to either document existing procedures or develop and implement new procedures. Emphasis will be on clear writing including reports and other communications, teamwork, practical organizational skills.

The Collection Section utilizes routine and unusual software packages. With the exception of Microsoft Word and Excel, there is no expectation of proficiency and training will be provided. Software in which proficiency is likely to include: Maximo – the Water Authority Computerized Maintenance Management System (CMMS); ESRI ArcGIS; ITpipes – the software used for closed circuit televising (CCTV) of sewer lines; Microsoft Suite including Visio; and proprietary monitoring software. Modeling software utilized in the Collection Section include hydraulic (InfoSWMM) and odor-corrosion

(WATS). In this position, the intern will be assisting with GIS editing for sewer pipes and manholes, review of CCTV inspections, creation of maps and work orders in Maximo.

**MINIMUM EDUCATION AND EXPERIENCE REQUIREMENTS:** Must currently be a full-time student at an accredited college or technical -vocational program. Graduate students are welcome to apply. Preference will be given to a student in an engineering, GIS, environmental studies, math/statistics, or planning curriculum with at least one year remaining in their program.

**ADDITIONAL REQUIREMENTS:** This is a temporary position.

**TO APPLY:** Provide resume and unofficial transcript via email to:

Johanna Malouff, PE  
Senior Engineer  
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