



JOB ANNOUNCEMENT

General Public Vacancy

OPEN DATE: October 6, 2023

CLOSE DATE: Until Filled

JOB TITLE: Wastewater Treatment Plant Lab Technician

PAY RATE: \$18.00+

(based on experience and certifications)

DEPARTMENT: Utilities

DIVISION: Wastewater

SUMMARY:

Performs under the supervision of the Wastewater Treatment Plant Superintendent, under the direction of the Wastewater Treatment Manager. Supervises Wastewater treatment plant lab staff under the direction of the Wastewater Treatment Plant Superintendent. The Wastewater Treatment Plant Lab Supervisor is a qualified and competent position requiring minimal supervision and minimal direction. Responsible and accountable for his/her decisions and the actions of those under their supervision pertaining to the laboratory and treatment system.

This is a safety sensitive and performance-oriented position involving all taskings of a wastewater treatment system laboratory. Work includes a range of tasks as they relate to the lab work of a wastewater treatment system and other assigned duties related to wastewater treatment. Work is evaluated by the direct observation of the Wastewater Treatment Plant Superintendent and Manager. Shall be required to give supervision to others.

DUTIES AND RESPONSIBILITIES

- Operates, monitors and provides direction, under the Managers or Superintendents general direction, for a variety of wastewater sampling and testing equipment, system components, taskings and processes such as:
- Supervises the collection of samples of water and wastewater at various stages of treatment
- Collects special samples as requested.
- Performs laboratory analytical techniques on water and wastewater samples
- Conducts a quality control program. Monitors the quality control tests and makes appropriate changes. Updates procedures and reports as needed.
- Retains records and writes reports to satisfy state and federal regulations and to maintain laboratory certification.
- Prepares reports of lab findings for municipal, state and federal agencies.
- Supervises, schedules, trains, and directs the work of lab employees; participates in the interview and selection processes and may make employment decisions; evaluates employee performance and recommends corrective action.
- Maintains and improves industry knowledge in the field of wastewater treatment through research, publications, training sessions.
- Develops procedures for specialized testing.
- Conducts compliance inspections. Prepares monthly Reports. Maintains records.
- Reviews and approves requests for hauled waste.

- Requisitions and inventories chemicals and other supplies; makes budget recommendations; reports expenditures.
- Prepares an annual report of laboratory activities and pretreatment activities.
- Conducts training on the lab and on lab safety.
- Have communication skills with the public and entities
- Performs Procurement duties
- Performs facilities maintenance including landscaping and vegetation control.
- Performs other duties as assigned

Assists in the following treatment operations and maintenance areas as needed

- Operations maintenance purchasing and rebuilding of pumps, motors, mixers, chemical feeders and other mechanical equipment
- Measuring and control systems
- Filtration and exchange units
- Daily walk thru the plant, making informed decisions on adjustment to plant
- Able to understand SCADA system and do adjustments to system
- Performs maintenance of plant equipment and facilities
- Conducts wastewater level measurements and interprets data followed by sampling
- Effluent and Influent understanding biohazards and production
- Disinfection and treatment of influent and effluent
- Loads and unloads chemicals
- Collects samples for analytical purposes
- Performs calculations related to dosing, flow rates, and other weights and measures
- Complies with all safety standards and practices as they pertain to equipment, facility operations and chemical handling
- Understanding and submitting compliance reports associated with permits
- Ability to perform administrative skills
- Monitor hauling and injecting sludge
- Monitor collections throughout the distribution system

The above essential duties and responsibilities are not intended to be, nor should it be construed, as exhaustive of all responsibilities, skills or competencies associated with this job. A Supervisor holding a WW Level 3 or 4 certification may make appropriate level process changes per the Operator Certification Regulations (20.7.4 NMAC) and Wastewater Treatment Plant Managers approval.

MINIMUM JOB QUALIFICATIONS

- High school diploma or equivalent.
- Familiar with PC and mobile applications including MS Word, MS Excel, MS PowerPoint, and general internet applications.
- Have good communication (both written and verbal) and organizational skills.
- Maintain physical condition appropriate to the performance of assigned duties and responsibilities which may include standing for extended periods of time, lifting heavy loads, kneeling, crawling, and climbing

EMPLOYMENT REQUIREMENTS

- May require work outside of regular business hours due to 24-hour operation.
- Available for emergency response, 24 hours/day, seven days/week
- Must have a telephone or ready access to a telephone at their residence.

- Must hold and maintain a current New Mexico Wastewater Lab Tech Level 3 certification. New Mexico Wastewater Operator Level 4 certification is preferred.
- Must maintain annual lab proficiencies approved by EPA and the State of New Mexico.
- Valid New Mexico Class D Driver's License, with insurable driving record.

KNOWLEDGE, SKILLS AND ABILITIES

- Four years' experience in the water and wastewater lab industry, or a combination of relatable college and experience
- Intermediate math skills
- Knowledge of hydraulics, chemistry and biology
- Trustworthy; strong personal integrity
- Demonstrates strong level of accountability and ownership
- Collaborative/team oriented
- Emotional maturity
- Exhibits professionalism with internal and external customers
- Organized with strong attention to detail and time management skills
- High degree of initiative; self-starter

WORK ENVIRONMENT AND PHYSICAL DEMANDS

Sitting

Frequent requirement of the job. Examples of tasks performed during sitting may include:

- Filling out reports
- Logging of daily work
- Answering telephones
- Reviewing manuals

Walking

Frequent requirement of the job. Examples of tasks performed during walking may include:

- Collecting samples
- Walking around Lab
- Walking around Treatment facility
- Field sample collections

Standing

Frequent requirement of the job. Examples of tasks performed during walking may include:

- Assessing samples
- Working with customers

Sprinting/running

Not applicable

- **FLEXIBILITY**

- Bending/twisting at the neck more than average is an essential requirement of the job.
- Bending/twisting the trunk more than average is an occasional requirement of the job.
- Squatting/ stooping/kneeling is an occasional requirement of the job.
- Reaching above the head is an occasional requirement of the job.
- Reaching forward is an occasional requirement of the job.
- Repetitive motions are an essential requirement of the job.

- **ACTIVITIES**

- Climbing is an essential requirement of the job.

- Hand/grip strength is an essential requirement of the job.
- Driving on the job is an essential requirement of the job.

- **USE OF ARMS AND HANDS**
 - Manual dexterity is an essential requirement of the job.
 - Finger dexterity is an occasional but essential requirement of the job.

- **LIFTING**
 - Lifting of items that weigh 10-25 lbs is an essential requirement of the job.
 - Lifting of items that weigh 26-50 lbs is an essential requirement of the job.
 - Lifting of items that weigh 51-75 lbs is an occasional requirement of the job.
 - Lifting of items that weigh 76-90 lbs is an occasional requirement of the job
 - Examples of items that weigh between 26-50 lbs and 51-75 lbs are:
 - Bag of Salt
 - Electric Actuator
 - Copper Sulfate
 - Valve Key
 - Examples of items that weigh 76-90 lbs are:
 - Bag of Concrete

- **PUSHING/PULLING**
 - Pushing/pulling of items that weigh between 25-50 lbs, 50-75 lbs, 75-90 lbs and over 90 lbs are an occasional requirement of the job.

 - Drum of Poly or Alum: Use a drum dolly to move.

- **CARRYING TASKS**
 - Carrying of items that weigh between 10-25 lbs, 25-50 lbs and 50-75 lbs is an occasional requirement of the job.
 - Carrying of items that weigh between 75-90 lbs and over 90 lbs are seldom requirements of the job.
 - Items over 50 lbs are carried a distance of 7-25 feet.
 - Examples of items over 50 lbs that are carried are:
 - Valve
 - Anthracite

WORKING CONDITIONS

- Working conditions are the physical surroundings of an employee in a certain job.
- Working inside is a frequent requirement of the job.
- Working outside is a frequent requirement of the job.
- Working in temperature below 32 degrees is a requirement of the job.
- Working in temperature above 90 degrees is a requirement of the job.
- Walking on slippery surfaces is a requirement of the job.
- Working over 6 feet off the ground is an occasional requirement of the job.
- Working in confined spaces and/or cramped body positions is a requirement of the job.
- Working in loud noise areas where you have to raise your voice to be heard is a requirement of the job.
- Close exposure to VDT's, CRTs or UV rays other than sunlight is a seldom risk.

- Exposure to sunlight is a frequent risk of the job.
- Handling or being in machinery that is vibrating is a requirement of the job.
- Working where there are sudden temperature changes of greater than 50 degrees is an occasional risk of the job.
- Working where that are sudden changes in air pressure or very high or low air pressure is an occasional risk of the job.
- Minor injury is a continuous risk of the job.
- Risk of being bitten by animals or insects is continuous to the job.
- Exposure to infection is a continuous risk of the job.
- Exposure to silica or asbestos dust is a seldom risk of the job.
- Exposure to environmental allergens is a continuous risk of the job.
- Contact with oils or other petroleum products is an occasional requirement of the job.
- Exposure to solvents, degreasers, pesticides and/or herbicides is an occasional requirement of the job.
- Exposure to gases, fumes, sprays is an occasional but essential requirement of the job.
- Meeting deadlines with severe time constraints is an essential requirement of the job.
- Interacting with the public, other workers, etc. is an essential requirement of the job.
- Irregular or extended work hours are essential requirements of the job.
- Working alone is an occasional but essential requirement of the job.
- Direct responsibility for the safety, well-being or work output of other people is a continuous requirement of the job.
- Multiple demands from several people are seldom requirements of the job.

PHYSICAL ABILITIES/ACTIVITIES

Physical abilities and activities are the physical activities and sensory perceptions that are essential to the job.

- **VISION**
 - Seeing objects/persons at a distance is a continuous requirement of the job.
 - Seeing close work such as typed or handwritten material is a continuous of the job.
 - Being able to tell differences among colors is a continuous requirement of the job.
 - Having very good spatial awareness is a continuous requirement of the job.
- **HEARING**
 - Hearing conversation in a quiet environment is a continuous requirement of the job.
 - Hearing conversation in a noisy environment is a continuous requirement of the job.
 - Ability to tell where a sound is coming from is a continuous requirement of the job.
 - Hearing differences among bells, buzzers, beeps, horns, etc. is a continuous requirement of the job.
- **SPEECH/COMMUNICATION**
 - Communicating through speech is a continuous requirement of the job.
- **USE OF PERSONAL PROTECTIVE EQUIPMENT:**
 - Personal protective equipment is a frequent and continuous requirement of the job
 - A mask is an occasional but essential requirement of the job.
 - A respirator is an occasional but essential requirement of the job.
 - Gloves are an occasional but essential requirement of the job.
 - Steel toed shoes are continuous requirement of the job.

- A body suit is an occasional but essential requirement of the job
- A filter respirator is an occasional but essential requirement of the job.
- Ear plugs/muffs are an occasional but essential requirement of the job.
- A face shield is an occasional but essential requirement the job.
- A chemical apron is an occasional but essential requirement of the job.
- A safety harness is an occasional but essential requirement of the job.
- A hand held radio is an occasional but essential requirement of the job.
- A safety vest is an occasional but essential requirement of the job.
- Flotation (life) vest is an occasional but essential requirement of the job.
- Waders are an occasional but essential requirement of the job.

NOTE: This position is subject to drug testing both pre-employment and random as set forth in the City of Las Vegas Drug Policy.

APPLICATION PROCEDURE – Interested applicants must submit a City of Las Vegas Employment Application, the employment application is available at:

<https://www.lasvegasnm.gov/general-7-1>

Application Materials can be sent to: Human Resources Department
1700 N Grand Avenue
Las Vegas, NM 87701

OR send via email to: mgarcia@lasvegasnm.gov

Reviewed and approved for publishing by:



Leo Maestas, City Manager



Darlene Arguello, Human Resource Director