EMPLOYMENT OPPORTUNITY

AMENDED

WATER PLANT TRADESMAN

WATER DIVISION

In compliance with the Americans with Disabilities Act, persons needing Accessibility and/or Language assistance help should contact 801.629.8701, visit http://accessibility.ogdencity.com or contact Relay Utah at 711 or 888.735.5906.

POSITION SUMMARY

Operate and maintain the City's water treatment and pumping facilities to regulate the flow of water to various zones in the water system; to ensure that adequate water supplies are available throughout the City; and to operate and maintain various pumping and valving equipment and production facilities in support of the City's water system; to act as an electrician or plumber for the City's facilities. Receives direct supervision from the Water Production Supervisor.

EXPERIENCE AND TRAINING STANDARDS

Requires at least four years of experience as an indentured Electrical or Plumbing Apprentice. Course work experience with SCADA programming highly desired. Equivalent to the completion of the twelfth grade. Possession or ability to obtain, within six months of appointment a Utah Grade IV Water Treatment Certificate and Grade IV Water Distribution Certificate. Possession of a Utah Class "A" CDL possession of, or ability to obtain, within 6 months of appointment. Possession of a Utah Journeyman Plumbing License or Journeyman Electrician License must be obtained within one year from date of hire.

NIMS REQUIRED TRAINING

Employee will be required to complete NIMS IS100, IS200, IS700, and IS800 within six months of hire.

Failure to obtain and maintain license and certificate as outlined above may result in termination from the position.

ESSENTIAL JOB FUNCTIONS

- Perform electrical or plumbing work for the entire Ogden City system.
- Perform SCADA work, including programming, for the entire Ogden City system.
- Perform water sampling and analysis and be able to interpret the analysis on a daily basis.
- Inspect all processes on a regular basis and record all vital information on production totals
- Inspect all pumps and water treatment equipment for malfunctions or leaks; diagnose needs repairs; perform maintenance and repairs as needed
- Clean and lubricate pumps and other production equipment as needed
- Perform weekly testing of equipment, instrumentation, meters, etc., in order to maintain quality assurance and high performance
- Record production and water demands on a per shift, daily, weekly, monthly and annual basis
- Maintain the accuracy of the reclaimed water system
- Perform water analysis for chemistry of the water from various locations, ensure the accuracy and proper functioning of the water plant processes

- Monitor all equipment, instrumentation, etc., for proper operation
- Make frequent visual and audio inspections of all equipment and facilities on a regular basis
- Make water adjustments to filter plant and to well field and be able to calculate adjustments in chemicals accordingly
- Be able to read and interpret all instrument gauges, apertures, meters, computer screens, SCADA screens, HMI screens (Human-Machine Interface)
- Must be able to understand the functions of 6 deep well pumping stations, which involve water levels in the well, proper voltage, proper amperage draw, proper line pressures, motor functions, pump functions, proper lubrication of motor and well line shaft bearings
- Proper operation of all valves, manually and electrically
- Must be able to learn how emergency backup generators function, how to cycle automatically and manually
- Must be able to learn where every circuit breaker is and what components they are connected to
- Must be able to learn the functions of every valve at the filter plant and well site;
- Operate and maintain HVAC system
- Must be able to learn the various water supply systems at the filter plant
- Must be able to understand new, programmable Process Logic Controllers, Central Processing Units, and Remote Transmission Units.
- Participate in safety and risk management activities; take action to reduce liability to the city.
- Attendance and punctuality are essential functions of this position. Employee is required to work as a team and frequently meet with co-workers and supervisors; employee is required to communicate in-person with the public during office hours; and employee is required to use on-site equipment.
- Perform related duties and responsibilities as required.

MARGINAL JOB FUNCTIONS

- Must perform regular routine cleaning, scrubbing, polishing, painting and maintenance of filter plant floors, windows, walls, ground maintenance, pumping, equipment, panels, etc.
- Must operate truck mounted snowplow and tractor mounted snow blower for removal of snow at the filter plant parking lot and roadways, also, all roadways to the well site
- Be able to operate sludge removable equipment, ensure the security of the filter plant, all other duties as assigned

QUALIFICATIONS

Knowledge, skills, abilities:

- Knowledge of subject matter required to perform work as a Journeyman electrician or Journeyman plumber.
- Operate Ignition Software, Pall Software, Crystal Reports, MS office, Excel, Word Perfect, Access, Microsoft Word, Intellection Fix 32, that is interfaced with Allen Bradley PLC 500 PM Link
- Ability to program SCADA (Supervisory Control and Data Acquisition) Systems for remote control and monitoring or rebuild and maintain valves, pumps or other plumbing facilities.
- Water plant operation processes such as Coagulation, Flocculation, Clarification, Filtration and Disinfection
- Standard chemicals used in water treatment

- Basic terms such as influent, effluent, back washing, surface washing, rewashing, waste wash water, recycled water, sludge blankets, sludge handling, safe handling of treatment chemicals
- Basic formulas for calculating cubic feet per second, gallons per minute, gallons per hour, gallons per day, acre feet, detention time, and all flow rates
- How to calculate chemical dosages in milligrams per liter or parts per million
- Properties of chlorine, carbon, Potassium, Ferric Chloride, Polymers
- Principles of hydraulics, pumping capabilities for chemical feeders, filling tanks, reservoirs, etc., laboratory testing for alkalinity, ph., turbidity, chlorine residual, taste and odors, color jar testing; algebra and geometry background desired for mathematical computations and calculations
- Operate a variety of water control and pumping equipment in a safe and effective manner
- Recognize improper pump operation through visual inspection or auditory inspection
- Repair water control and pumping equipment
- Learn the functions of each process equipment and controls
- Calculate chemical needs of water based on analysis results
- Prepare clear and concise reports
- Work independently in the absence of supervision
- Understand and follow oral and written instructions
- Communicate clearly and concisely, both orally and in writing
- Must work rotating shifts which involves graveyard, swing and day shift; must work weekends and holidays; must work 12 hour shifts and remain on shift until properly relieved
- Maintain physical condition appropriate to the performance of assigned duties and responsibilities which may include walking or standing for extended periods of time, climbing up and down stairs, embankments, vaults and pits
- Maintain effective audio-visual discrimination and perception needed for making observations, communicating with others, operating assigned equipment and vehicles as required by the position.
- Learn all of the water regulations dictated by the U.S.E.P.A. and Utah State Bureau of Drinking Water, including all of the Maximum Contaminant Levels and Standards.
- Must be able to operate complex computer programs and screens, read and understand blueprints.
- Establish and maintain effective working relationships with those contacted in the course of work.
- Maintain mental capacity which allows for effective interaction and communication with others.
- Ability to comply with all city policies and regulations, including safety and risk management standards.

WORKING CONDITIONS

The work conditions described here are representative of those an employee may encounter while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

PHYSICAL REQUIREMENTS

Working conditions, exposure to loud machine noise, work in a water treatment plant environment, and exposure to potential heavy equipment. Experience with computers and treatment plant equipment; must be able to work standby approximately one week per month. Physical requirements,

while performing the duties of this job, the employee is frequently required to sit, walk and talk or hear. The employee is occasionally required to lift and or move up to 110 lbs. Danger of heavy equipment, exposure to hazardous chemicals and high voltage, standing for long periods of time and considerable walking from facility to facility, frequently going up and down stairs, climbing in and out of vaults. Working in adverse weather conditions and must be able to operate a snowplow and snow blower.

CRIMINAL HISTORY BACKGROUND CHECK
Successful applicant must pass background check.

MOTOR VEHICLE REPORT
Driving record of successful applicant will be obtained by the HR office.

EDUCATION REQUIREMENT
Successful applicant must submit a copy of above education requirements when requested.

VETERAN'S PREFERENCE POINTS
Applicants MUST submit a copy of their DD-214 to the Human Resource office during the interview process. This is for initial appointments only.

SALARY RANGE
Range 42 - $1,659.15 - $2,267.18 (Bi-weekly Rate) (DOQ). Typically hire at minimum. This position is eligible for benefits.

APPLICATION PROCEDURE
On-line applications will be accepted at www.ogdencity.com until position is filled. If you do not have access to a computer, you may come to the Ogden City Human Resources office located at 2549 Washington Blvd., Suite 220, Ogden, UT 84401 between the hours of 8:00 a.m. to 5:00 p.m. Monday through Friday.

All applications/resumes will be evaluated and ranked on the basis of relevant education and experience as stated therein. Highest ranking applicants may be invited for a personal interview.

WE ARE A DRUG FREE WORKPLACE
AA/EOE/ADAAA
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