



Water Treatment Plant Operation Compliance Monitor

Department: Water Utilities District

SUMMARY: This is a temporary assignment for the plant set up, start up and processes. Performs the full range of responsibilities in the operation, compliance and monitoring of a water treatment facility, including water chemistry, ADEQ compliance measures, standard operating procedures and control of the Water Treatment Plant. Reports daily to the Water District Engineer and/or Water District Director. May provide direction and guidance to Water Utilities field staff. Ensures treated water meets the Water District, County and State water quality standards.

ESSENTIAL FUNCTIONS: *Essential functions, as defined under the Americans with Disabilities Act, may include any of the following representative duties, knowledge, and skills. Factors such as regular attendance at the job are not routinely listed in job descriptions, but are an essential function. Essential duties and responsibilities may include, but are not limited to, the following:*

Monitors, tests, and maintains, water chemistry at the water treatment plant ensuring ADEQ compliance measures.

Implement and maintain standard operating procedures.

Collects, inspects, tests, and evaluates incoming and outgoing water supplies.

Review and design Operations and Maintenance Manual; writes and updates water process control, equipment operation and maintenance logs, procedures and processes.

Monitors and operates the Supervisory Control and Data Acquisition (SCADA) system.

Train employees on plant operations and regulatory compliance.

May supervise lower level employees.

Supports the City's policies, goals and objectives and work with management and other staff to ethically achieve such goals and objectives; ensure compliance with safety procedures.

KNOWLEDGE AND SKILLS:

Demonstrated Knowledge of:

City, District and Department procedures, policies and guidelines; City Code; Arizona Revised Statutes; Occupational Safety and Health Administration (OSHA) laws, regulations and standards; Arizona Department of Environmental Quality (ADEQ) standards and Department of Water Resources policies and procedures.

Plant set up, start up, processes for plant final operation.

Testing plant components, leak prevention, plant mechanical operations.

ADEQ requirement mandates ground to surface water.

Reviewing and designing operations and maintenance manuals.

Methods of water sampling and laboratory testing of potable water, including but not limited to, coagulation, flocculation, sedimentation, filtration, and disinfection; water treatment facility emergency procedures and safety practices in the operation of electrical and mechanical equipment; and Federal Occupational Safety and Health Administration (OSHA) and State and County regulations and Water District policies regarding safe work practices and handling and disposal of hazardous materials.

Skill in:

Establishing and maintaining cooperative working relationships with contractors, coworkers and other individuals in contact during the course of work; communicating clearly and concisely. Review and design technical specifications and operation manuals; reading and interpreting meters, gauges, control panels, and testing and monitoring equipment including the Supervisory Control and Data Acquisition (SCADA) system.

Performance of water treatment plant implementation (startup), testing, water chemistry, standard operating procedures and controls. Assessing and prioritizing multiple tasks and demands.

Working with various chemicals used in water sampling and treatment.

Operating a personal computer utilizing standard software such as Microsoft Office and specialized software; standard office equipment.

MINIMUM QUALIFICATIONS:

Graduation from a college or university accredited by an agency recognized by the U.S. Secretary of Education or Council for Higher Education Accreditation (CHEA) with a Bachelor's and five (5) years paid fulltime experience performing water treatment plant testing, water chemistry, and controls; one (1) year of which included supervisory or management experience; OR an equivalent combination of education and experience.

LICENSE, CERTIFICATION AND/OR SPECIAL REQUIREMENTS:

Candidates who are selected for appointment are required to be fingerprinted, if 18 or older; successfully complete a background investigation, employment verification and may be subject to a drug test, medical, polygraph and/or psychological evaluation. Candidates who are appointed must possess a valid driver's license to operate a vehicle in Arizona, or meet the transportation needs of the position.

Must possess prior to appointment:

- ADEQ Water Distribution System Grade 4 certification
- ADEQ Water Treatment Operator Grade 4 certification

PHYSICAL DEMANDS AND WORKING ENVIRONMENT:

Work is performed in a water treatment plant or outdoors in varying temperatures and requires a full range of motion such as, stooping, lifting objects/carrying objects up to 50-100 pounds, standing, bending, standing, squats, walking, and other moving; use of personal protective equipment, in addition to use of a personal computer. Evening, weekend, and on-call work may be required.

Adopted: April, 2016