

## ENCINA WASTEWATER AUTHORITY

**DATE:** August 2022 (revised)  
**POSITION TITLE:** Chemist III (Associate Chemist)  
**DEPARTMENT:** Environmental Compliance  
**SECTION:** Laboratory  
**REPORTS TO:** Laboratory Manager  
**FLSA STATUS:** Nonexempt

**POSITION SUMMARY:** Under the supervision of the Laboratory Manager, this journey-level professional chemist position: performs more advanced water quality and other laboratory testing as needed for regulatory compliance, industrial waste control, plant process control, biosolids reuse/disposal, reclamation, and the Authority's revenue sampling program; performs certain quality assurance and quality control (QA/QC) tasks; supports the Biosolids Environmental Management System (EMS) program; and performs other related duties as assigned.

**SUPERVISORY DIMENSIONS:** None

### ESSENTIAL JOB DUTIES:

- Collects wastewater, wastewater solids, and related samples for laboratory analysis.
- Performs various analyses of wastewater, wastewater solids, industrial wastewater, and other related samples in accordance with standard methods. Assigned analyses are generally more advanced than those performed by junior Chemists, and include but are not limited to metals analyses using an inductively coupled plasma spectrophotometer. Assigned analyses also may include more advanced chemical, microbiological, and instrumental methods.
- Enters quality control data into Laboratory's personal computer and produces QA/QC charts and other documents from the data as assigned.
- Collects, prints out, checks, and stores data from the Authority's computerized, centralized flow metering system twice weekly and as assigned.
- Schedules, collects, and composites raw wastewater from various locations in the Authority service area for revenue sampling program analysis.
- Coordinates Industrial User (IU) sample collection, delivery, and analysis with Source Control Division staff, and handles the Laboratory's sample receiving function for IU samples.
- Performs routine maintenance of laboratory and related field equipment.

- Prepares purchase requisitions for Laboratory equipment and supplies.
- Performs sampling, analytical, and other tasks normally assigned to Junior/Assistant Chemists as necessary due to vacations, sick leave, attrition, and emergencies.
- Supports EWA's Class A biosolids requirements and ensures compliance with EWA's Arizona certification for fecal coliform MPN's.
- Performs QA/QC tasks as required by the TNI framework. A strong understanding of TNI regulations QC is desired
- Maintains laboratory inventory of supplies and orders supplies.
- Maintains laboratory inventory of chemicals and ensures proper record keeping of certificates of analysis and disposal records.
- Performs administrative tasks for the organization as needed.

To perform this job successfully, an individual must be able to perform each essential duty satisfactorily. Reasonable accommodations will be made to enable qualified individuals with disabilities to perform the essential functions.

Specific Types of Knowledge, Skills and Physical Abilities Required For These Duties:

- Knowledge of (a) chemical, physical, biological, and instrumental testing procedures and (b) standard methods used for water and wastewater sampling and testing. Ability to perform independently a broad range of analyses using standard methods.
- Knowledge of personal hygiene and safety practices required when working with potentially contagious, corrosive and/or toxic materials.
- Knowledge of sample receiving, chain-of-custody and preservation procedures.
- Knowledge of the Authority's Biosolids Environmental Management System.
- Knowledge of the principles of laboratory maintenance.
- Knowledge of conventional QA/QC practices for the wastewater laboratory, including the preparation of QA/QC charts.
- Skills in operating a personal computer for data processing, spreadsheet preparation, and word processing.
- Ability to rapidly learn and consistently perform sampling and analysis according to regulatory protocol.
- Ability to lift and move heavy sampling equipment, typically in the field and occasionally in inclement weather.
- Ability to work in wet and/or odorous areas to obtain samples.

- Ability to safely collect surf zone samples.
- Ability to work varying hours, weekends and holidays when necessary to cover for Junior/Assistant Chemist positions.
- Ability to understand, follow directions and complete assignments with minimal supervision.
- Ability to work both independently and as a member of a team.
- Ability to establish and maintain cooperative working relationships with coworkers.

**EDUCATION REQUIREMENT:** A Bachelor's Degree in natural or environmental science, engineering, or a closely related field from an accredited college or university.

**EXPERIENCE REQUIREMENT:** Five (5) years of recent laboratory experience, including at least four (4) years of experience in a wastewater laboratory.

**LICENSE REQUIREMENT:** Possession of a valid California Class C Driver's License and the ability to be insured under the Authority's automobile insurance coverage.

Note: Failure to maintain a valid California Driver's License constitutes possible cause for termination.

**CERTIFICATION REQUIREMENT:** Possession of a Grade III California Water Environment Association (CWEA) Laboratory Analyst certificate is required. Failure to attain and maintain a CWEA Certification constitutes possible cause for demotion or termination.

**PHYSICAL AND MENTAL DEMANDS:**

**Physical Demands**

While performing the duties of this position, the employee is regularly required to walk; talk or hear by telephone and in person; sit; smell; use hands to finger, handle, feel or operate objects, tools, or controls; reach with hands or arms. The employee is frequently required to stand for prolonged periods of time.

Specific vision abilities required by this job include close vision, distance vision, the ability to distinguish colors and shades, depth perception, and the ability to adjust focus. The employee must regularly lift and move up to 50 pounds.

**Mental Demands**

While performing the duties of this position, employees are regularly required to use oral and written

communication skills, read documents or instructions; analyze and solve problems; observe and interpret data or information; use mathematical reasoning; learn and apply new information or skills; perform highly detailed work; work under intensive deadlines with constant interruptions; and perform multiple concurrent tasks.

**WORK ENVIRONMENT:** While performing the duties of the job, the employee is frequently exposed to toxic or hazardous chemicals. The noise level in the work environment is usually moderately quiet.

**QUALIFICATIONS:** Ability to pass a pre-employment physical examination; possession of a good driving record and the ability to be insured by the Authority's insurance carrier; and the ability to read write, speak and comprehend English.

**RIGHT TO WORK REQUIREMENT:** Must be a United States citizen or possess qualified alien status. Documentation of eligibility to work in U.S. will be required as a condition of employment.

**The Encina Wastewater Authority does not discriminate against any applicant for employment on the basis of age, race, color, sex, ancestry, national origin, pregnancy, marital status, sexual orientation, sexual identity, religion, military status, medical condition, mental disability, or physical disability.**

**The list of essential job duties contained in this job description is not exhaustive, and may be supplemented as necessary. This position performs other related duties as assigned, some of which may become essential to the position.**

**Any offer of employment for this position is contingent upon receipt of acceptable results from a background investigation and drug screen.**