

**CLARK COUNTY**

Department of Human Resources  
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<http://www.accessclarkcounty.com>

**INVITES APPLICATIONS FOR THE POSITION OF:  
CHEMIST I/II (WASTEWATER)**

Department Name: Water Reclamation  
Exam Number: 03130

**SALARY**

\$46,134.40 - \$77,209.60 Annually

**OPENING DATE:** 07/31/09

**CLOSING DATE:** 08/14/09 05:00 PM

**ABOUT THE POSITION:****SALARY RANGE:**

**Chemist I: \$46-134.40 - \$71,510.40**

**Chemist II: \$49,816.00 - 77,209.60**

**This examination will establish an Open Competitive and Promotional list to fill current and/or future vacancies that may occur within the next six (6) months at either level. The Chemist I is a training underfill position: upon successful completion of the probationary period and the training program, which is up to two (2) years, the successful candidate will be non-competitively promoted to Chemist II.**

**MINIMUM REQUIREMENTS****Education and Experience:**

**Chemist I - Bachelor's Degree in Organic or Inorganic Chemistry, Biochemistry or a closely related field.**

**Chemist II - In addition to the above: Minimum of one (1) year of full-time professional laboratory chemical analyses in a water or wastewater laboratory.**

**Working Conditions: Work scheduled off-hours shifts. Work with exposure to hazardous chemicals and substances found in the wastewater treatment process.**

**Licensing and Certification: Possession of a California/Nevada Pollution Control Association Grade III Laboratory Technician Certificate is desirable.**

**Medical Examination: Employment is contingent upon the results of a physical examination performed by our examining physician.**

**EXAMPLES OF DUTIES**

Performs physical, chemical, and other laboratory analysis of samples of domestic and industrial wastewater, effluent, receiving waters, potable water and other materials. Conducts field and laboratory experiments to determine effects and suitability of physical, biological, and chemical treatment processes applied to wastewater. Researches physical, chemical, and biochemical analytical methods to develop and improve laboratory and field methods for analysis of wastewater and receiving waters. Interprets and evaluates analysis results, recognizing problems which may occur during the process; determines the reasons for problems and recommends and implements corrective measures. Sets up, calibrates, operates and performs minor maintenance adjustment and repair to a variety of complex laboratory instruments and equipment. Prepares and maintains records and documentation of samples, tests and procedures on computer or manual files; prepares reports and analyses as required. Directs and reviews the work of technicians and professional staff as assigned; assists in training less experienced laboratory personnel. Provides professional expertise to other employees, representatives of governmental and industrial organizations and others in order to recommend appropriate testing methods to monitor environmental mandates. Maintains an inventory of laboratory equipment and supplies according to predetermined levels. Prepares standard chemical solutions and reagents; cleans glassware and specialized equipment. Contributes to the efficiency and effectiveness of the unit's service to its customers by offering suggestions and directing or participating as an active member of a work team. Recommends improvements in work procedures, methods and forms. Prepares and maintains records and documentation of samples, tests and procedures on computer or manual files. Documents and maintains a quality assurance program covering equipment, materials and procedures. Assists in the evaluation of laboratory services and equipment and assists in the selection of such equipment. Coordinates, plans, directs and conducts periodic field sampling and monitoring programs. Conducts periodic field monitoring and sample collection of receiving waters.

**PHYSICAL DEMANDS**

Mobility to work in a typical laboratory setting and use standard laboratory and office equipment; stamina to stand and/or walk for an extended period of time; vision to read printed materials and a computer screen and determine fine color differences and hearing and speech to communicate in person or over the telephone. Accommodation may be made for some of these physical demands for otherwise qualified individuals who require and request such accommodation.

*An Equal Opportunity Employer*

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**CHEMIST I/II (WASTEWATER) Supplemental Questionnaire**

- \* 1. **Complete a separate entry for each employer where your experience was obtained, including: Your position/title, Employer, Dates of employment, Hours worked per week and Job duties. QUESTION:** Please describe in detail your professional experience performing standard to complex physical, chemical, pharmaceutical, and other laboratory analyses of water, domestic and industrial wastewater and/or solid samples. (10 points) Use "N/A" if no answer.
  
- \* 2. **Complete a separate entry for each employer where your experience was obtained, including: Your position/title, Employer, Dates of employment, Hours worked per week and Job duties. QUESTION:** Please describe your experience working with the following instrumentation: GC, GCMS, LC, ICP, ICPMS, IC, TOC and auto analyzers. (10 points) Use "N/A" if no answer.
  
- \* 3. **Complete a separate entry for each employer where your experience was obtained, including: Your position/title, Employer, Dates of employment, Hours worked per week and Job duties. QUESTION:** Please describe in detail your professional experience calibrating, operating, and performing minor maintenance adjustments and repair to a variety of laboratory instruments and equipment. Include in your answer the types of instruments and equipment and how often you calibrated, operated, and maintained them. (10 points) Use "N/A" if no answer.
  
- \* 4. **Complete a separate entry for each employer where your experience was obtained, including: Your position/title, Employer, Dates of employment, Hours worked per week and Job duties. QUESTION:** Please describe in detail your professional experience working with LIMS, preparing and maintaining records and documentation of samples, tests, procedures, analyses, as well as data review. (10 points) Use "N/A" if no answer.
  
- \* 5. **Complete a separate entry for each employer where your experience was obtained, including: Your position/title, Employer, Dates of employment, Hours worked per week and Job duties. QUESTION:** Please describe in detail your professional experience maintaining an inventory of laboratory supplies, as well as preparing solutions for reagents and standards. (10 points) Use "N/A" if no answer.

\* Required Question