



EAST BAY MUNICIPAL UTILITY DISTRICT
invites applications for the position of:

Corrosion Control Technician

An Equal Opportunity Employer

SALARY: \$7,270.00 - \$8,838.00 Monthly
\$87,240.00 - \$106,056.00 Annually

OPENING DATE: 05/21/18

CLOSING DATE: 06/08/18 04:30 PM

THE POSITION:

The Corrosion Control Technician performs field and laboratory tests and technical duties in the control of corrosion of pipelines and related water facilities. The major portion of the work is done in the field, conducting tests and recording data to determine the effectiveness of existing cathodic protection systems. Duties are normally performed under the direction of an East Bay Municipal Utility District (EBMUD) engineer, but routine field tests may be done independently. The Corrosion Control Technician may also direct the work of other employees when assistance is required.

Responsibilities and duties include:

- Inspecting facilities and structures to ensure the continuing effectiveness of anti-corrosion installations, protective materials, and devices.
- Measuring electrical currents in soils and structures to detect current levels that fall outside allowable ranges; inspecting protective coatings and searching for evidence of corrosion damage to facilities.
- Locating causes of corrosion and preparing reports of findings to recommend corrective and preventive actions.
- Assisting in the installation, maintenance, and repair of rectifier and cathodic protection stations; burying anodes, welding connectors to pipes, and connecting pipes and anodes to complete circuits; periodically testing rectifiers and replacing defective units; may direct the work of crews assisting in installation, maintenance, and repairs.
- Maintaining logs and records on cathodic protection stations showing locations, map and file references, and service records; may draft memoranda and correspondence.
- Conferring and consulting with engineers and other staff; conducting joint inspections and coordinating anti-corrosion program activities with representatives of other agencies and utilities.
- Maintaining a functional relationship with the electrical maintenance shop to obtain parts, equipment, and instrument repair services.
- Visiting remote sites and outlying facilities.

Candidates should possess the following knowledge, skills and abilities:

General knowledge of:

- Chemistry and electro-chemistry
- Corrosion control principles
- Electrical principles
- Measurements and symbols
- Galvanic and stray currents
- Instruments used in corrosion control work.

Skill in:

- Reading and interpreting technical reports and procedures, electrical diagrams, drawings, and specifications
- Preparing charts and graphs
- Assembling, adjusting, and repairing electrical devices
- Assisting with the installation, repair and adjustment of meters, rectifiers, transformers and related cathodic protection equipment.

Ability to:

- Keep accurate records and complete forms
- Perform necessary mathematic calculations
- Make verbal and written reports
- Learn to set up, operate and maintain electrical measuring instruments
- Learn appropriate laboratory and safety procedures
- Follow oral and written directions
- Work without immediate supervision
- Deal tactfully and effectively with engineers and other EBMUD personnel.

The most competitive candidates will have previous corrosion control or related experience; knowledge of construction methods and materials; the ability to apply experience to the solution of corrosion control problems; conduct studies and evaluations of corrosion control issues; knowledge of economics; and experience evaluating ongoing corrosion control functions and operations and developing ideas to improve their effectiveness and efficiency.

The salary range is \$7,270 per month increasing to \$7,634, \$8,016, \$8,417, and \$8,838 after 6, 18, 30, and 42 months, respectively.

EBMUD is an Equal Opportunity Employer. All qualified candidates will receive consideration for employment without regard to race, color, religious creed, sex, gender, gender identity, gender expression, marital or registered domestic partnership status, age for individuals over forty years of age, national origin, ancestry, disability (mental or physical, including AIDS and HIV), medical condition (cancer and genetic characteristics), genetic information, sexual orientation, military and veterans status, family or medical leave status, pregnancy, pregnancy disability leave status, or any other status protected by federal, state and/or local laws.

REQUIREMENTS:

Any combination of education and experience that has led to the acquisition of the knowledge, skills and abilities as indicated above. Typical ways of acquiring the knowledge, skills and abilities are completion of the twelfth grade or its equivalent, and two years of experience in corrosion control, installing, maintaining or repairing electrical or electronic equipment; or as a laboratory technician in a chemical or similar laboratory.

Must possess a valid California driver's license and have a satisfactory driving record. In addition, the incumbent must possess physical characteristics to perform the critical and important duties of the class, including sufficient agility to climb ladders and hills and maneuver around obstacles while carrying necessary measuring devices. The incumbent must be willing to work overtime as needed.

Equivalent combinations of education and experience may be considered. To be considered under the "equivalent combination of education and experience" provision, it is your responsibility to include in your application materials written evidence of employment performed at the level of the typical duties of this position and/or coursework in subject areas directly related to this position. For more information, see our FAQ page at <http://www.ebmud.com/jobs/job-resources/job-faqs-frequently-asked-questions/>

THE SELECTION PROCESS:

1. Submit a completed EBMUD application and the required supplemental question responses online at www.ebmud.com by 4:30 p.m., Friday, June 8, 2018. Only application materials submitted online during the filing period will be accepted.
2. All qualified applications and supplemental responses will be competitively evaluated, with those candidates demonstrating the strongest qualifications for the position to be invited to a panel interview tentatively scheduled for late June or early to mid-July 2018.
3. Successful candidates will be placed on the hiring list, based on rank, for further consideration to fill the current regular vacancy, as well as others occurring over the next 12 to 24 months.
4. All employment offers are conditional, pending the results of a Live Scan background screening. All selected finalists must participate in the Live Scan background screening process to remain in consideration for EBMUD employment.

SUPPLEMENTAL INFORMATION:

As the first step in the selection process, responses to the supplemental questions must be submitted online with the regular EBMUD application. Please provide thorough, accurate descriptions of assignments you have personally performed.

Questions cover a range of work responsibilities. Although you may use the same experience as the basis for answering more than one question, describing a variety of experience will provide the panel with a better understanding of the breadth and depth of your experience.

When describing your experience, please confine your remarks to assignments you have personally performed. Should you respond with comments such as "see application" or "see resume" instead of addressing the questions directly, your application may not be considered.

APPLICATIONS MAY BE FILED ONLINE AT:
<http://www.ebmud.com/jobs>

Job #18-066
CORROSION CONTROL TECHNICIAN
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OUR OFFICE IS LOCATED AT:
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Corrosion Control Technician Supplemental Questionnaire

- * 1. Do you have any licenses, certifications, or trainings related to corrosion control/cathodic protection?
 - Yes
 - No
- * 2. If so, please list the license, certification, or training and associated identification number.
- * 3. Describe your corrosion control project experience and indicate the number of years of experience in the corrosion control field. Include projects related to the troubleshooting and repairing of galvanic and impressed current cathodic protection systems.

- * 4. Describe your project experience with remote monitoring of cathodic protection systems. Include projects related to installing monitoring units and collecting data.

- * 5. Describe your project experience maintaining logs and records. Include any computer applications used for record keeping, such as ArcGIS or Microsoft Office..

- * 6. Describe your project experience working independently. Give specific project examples where you completed tasks without supervision.

- * Required Question