

**Materials Testing
Technician II
\$61,500 - \$74,760**

Application materials can only be
submitted ONLINE until 4:30 p.m.

Friday, October 11, 2013

No paper applications accepted

THE POSITION

Reporting to the Materials Testing Supervisor, Materials Testing Technician II's work in East Bay Municipal Utility District's (EBMUD) Materials Testing Laboratory and are responsible for laboratory and field testing of construction materials including soils, rock, mineral aggregates, asphaltic mixes, concrete and steel.

Typical duties include:

- Conduct field, plant, and laboratory tests on engineering properties of construction materials such as soils, rock, and concrete, including tests of compressed strength, particle size distribution, Atterberg limits, specific gravity, consolidation, triaxial shear, field density and moisture content, specific gravity, and other properties.
- Conduct subsurface exploration, working with drilling crews, keeping drilling logs, performing soil and rock classifications in the field, and installing and monitoring geotechnical instrumentation.
- Apply laboratory and field test requirements and methodology, then monitor results; evaluate compliance with EBMUD specifications and recommend acceptance or rejection of materials.
- Operate, clean, adjust, install, and maintain instrumentation and equipment.
- Make calculations and reports, and record field and lab results in a computer database.
- Prepare charts, graphs, curves and other representations of test results.

- Take and record measurements for dam surveillance programs, including groundwater elevations, soil movements, and seepage flows.
- Coordinate activities with other EBMUD sections, contractors, and representatives of other agencies on a variety of materials testing issues.
- Prepare a wide variety of written and computerized periodic and special reports, records, and related documents.
- Maintain effective working relationships with other EBMUD sections, stakeholders, and representatives of outside agencies.
- Maintain performance, safety, and quality control standards.
- Communicate effectively verbally and in writing.

The ideal candidate will have experience with MS Excel, Geosystem and gINT software, and other related applications; a Radiation Safety and Use of the Portable Nuclear Moisture/Density Gauge certificate; American Concrete Institute (ACI) certifications in concrete testing; strong oral communication skills; ability to work effectively with engineering, technical, construction and field staff; ability to work independently in the field; and strong math skills. Previous experience with state-of-the-art soils and materials testing equipment and instruments is preferred.

REQUIREMENTS

Typical means of acquiring the knowledge, skills and abilities needed to perform the full range of responsibilities of this position

include a high school diploma or its equivalent AND two years of experience in soils or materials testing, surveying, construction inspection, or equivalent materials laboratory work.

A bachelor's degree in a related field may be substituted for one year of the required experience.

In addition, the incumbent must possess the physical characteristics to perform the critical and important duties of the position, including sufficient agility and strength to dig test holes with proper equipment, and to lift and carry equipment and materials weighing up to 50 pounds. Must be willing to work outdoors in a variety of geographic and climatic conditions, and where insects and poison oak may be hazards. Must be willing to work overtime as needed. Must possess a valid California driver's license and have a satisfactory driving record.

SALARY AND BENEFITS

The initial monthly salary range for Materials Testing Technician II is \$5,125 up to \$6,230 depending on qualifications.

EBMUD's excellent benefits package includes 12 days paid vacation; 15 holidays; 13 days paid sick leave; family health insurance (choice of Kaiser fully paid or Health Net or Anthem Blue Cross 85% paid); family dental and vision care plans; life insurance; long-term disability insurance; retirement plan (reciprocal with CalPERS); \$905/yr. contributed to flexible spending account or cash; \$105/mo. public transit subsidy; 401(k), 401(a) and

457(b) tax-deferred retirement plans; Roth 401(k); \$3,500/yr. tuition reimbursement; and opportunities for professional growth including training and career development.

THE SELECTION PROCESS

1. Submit a completed EBMUD application online at www.ebmud.com by 4:30 p.m. Friday, October 11, 2013. Only application materials submitted online during the filing period will be accepted. Application materials faxed, mailed or delivered to EBMUD will not be accepted.
2. Candidates meeting the minimum requirements will be invited to the written test designed to measure job-related knowledge, skills, and abilities including Mathematics; Gauge Reading and Instrumentation; Maps, Drawings, and Surveying; Processing Plant Operations; Soil and Aggregate; and Concrete. The written test is tentatively scheduled for Saturday, October 26, 2013.
3. EBMUD may elect to administer a panel interview (which may include a work sample project) to those candidates passing the written test. Candidates successful on all test parts in this selection process will be ranked on a hiring list for further consideration to fill the current regular vacancy, as well as any other openings that occur during the next 12 to 24 months.

