



Great Basin Unified Air Pollution Control District

Air Monitoring Technician (AMT) I or II

FLSA Classification
Non-Exempt

Salary Range
Range 28 (AMT I) or Range 38 (AMT II)

Bargaining Unit
Non-Management

JOB DESCRIPTION

Summary

Under general supervision, installs, operates, maintains, calibrates, and repairs instrumentation and equipment associated with air quality and meteorological monitoring.

Distinguishing Characteristics

Air Monitoring Technician I: The entry and training level class of the series. Incumbents learn air monitoring station operation, including data collection and analysis techniques and installation, operation, and repair of air and meteorological monitoring instruments.

Air Monitoring Technician II: The fully experienced, journey level class of the series. Incumbents are responsible for installing, operating, and maintaining air quality monitoring stations and research project monitoring sites with a variety of instruments. Assists in training and task oversight of AMT I.

Essential Duties

Reasonable accommodations may be made to enable individuals with disabilities to perform these essential duties.

- Regular attendance during scheduled hours as per the District's Employee Rules, Policies, and Procedures Manual Section 4.12.
- Follow written and verbal directions in English.
- Install, operate, maintain, and repair air monitoring instrumentation and equipment including weather monitoring stations, particulate monitors, and ambient air gas analyzers.
- Perform routine servicing and preventive maintenance of equipment.
- Calibrate air monitoring and meteorological instruments according to District, State, and Federal specifications.
- Troubleshoot and repair malfunctioning instruments and components.
- Collect and tabulate data from sampling equipment.
- Program data loggers.
- Review data for accuracy and take appropriate action to remedy faulty data collection.
- Document information and activities in instrument and station logbooks, on maintenance sheets, and other documents as required. Document all repairs, calibrations, notes on instrument performance, and instrument modification in appropriate logbooks or on forms.



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- Assist other technicians in installation and setup of new equipment and instrumentation.
- Use of hand and power tools.
- Respond to emergency service calls.
- Provide vacation and temporary replacement help as required.
- Routinely provide work updates to the Air Monitoring Specialist (Bishop) or the Air Monitoring Technical Specialist (Keeler) and regularly seek direction on projects as necessary.

Competencies (Knowledge, Skills, and Abilities)

- Ability to establish positive working relationships with representatives of the community, organizations, state/local agencies, District staff, and the public.
- Knowledge of methods and techniques for record keeping, report preparation, and writing.
- Ability to communicate technical information in layperson terms.
- Knowledge of English usage, spelling, vocabulary, grammar, and punctuation.
- Ability to read, analyze, interpret, record, and present data accurately.
- Ability to organize, prioritize, and follow up on work assignments.
- Ability to work independently and as part of a team.
- Knowledge of standard office procedures, practices, and the operation of modern office equipment, including a computer and applicable software.
- Knowledge of basic principles and theory of environmental sciences, electronics, and safe work practices.
- Ability to learn mechanical, electronic, and computer systems; learn and work independently; prioritize and schedule work assignments.
- Manual dexterity.
- Ability to solve algebraic equations.
- **Additional Competencies for AMT II:**
 - Principles of operation of scientific equipment.
 - Theories and principles of physics and chemistry as applied to installation, operation, calibration, maintenance, and repair of air monitoring instruments and equipment.
 - Air pollution terminology.
 - Federal and state regulations regarding air monitoring and quality assurance.
 - Ability to plan and manage the installation of monitoring systems.
 - Ability to analyze, diagnose, and solve technical instrumentation problems.
 - Ability to understand and work from a variety of technical manuals.
 - Strong math and computer skills.



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Supervision given/supervision received

- Supervised by the Air Monitoring Specialist (Bishop) or the Air Monitoring Technical Specialist (Keeler).
- Exercises no supervision of staff.

Work environment

The work involves exposure to extreme weather conditions (heat, cold, wind, snow) and dust on an occasional basis. A computer is used daily. Involves active physical work (bending, stooping, squatting, twisting, reaching, working on irregular surfaces) but not prolonged heavy exertion. Most of the time is spent standing or sitting. Work also involves lifting, pushing, or pulling objects up to 20 lbs. on a regular basis and up to 50 lbs. on an occasional basis. The work involves climbing ladders and working in high places. The work requires travel by car, ATV, or other off-road vehicle on a regular basis.

Physical demands

Physical Activities	Frequency (N) Never (I) Infrequently (O) Occasionally (F) Frequently or (C) Constantly
Ascending or descending ladders, stairs, scaffolding, ramps, poles, and the like.	F
Moving self in different positions to accomplish tasks in various environments.	F
Remaining in a stationary position, often standing or sitting for prolonged periods.	F
Moving about to accomplish tasks or moving from one worksite to another.	F
Communicating with others to exchange information.	F
Repeating motions that may include the wrists, hands and/or fingers.	F
Operating machinery and/or power tools.	F
Operating motor vehicles.	F
Assessing the accuracy, neatness and thoroughness of the work assigned.	C
Environmental Conditions Check all that apply	
Low temperatures.	√
High temperatures.	√
Outdoor elements such as precipitation and wind.	√
Noisy environments.	√
No adverse environmental conditions expected.	



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Physical Demands	Frequency (N) Never (I) Infrequently (O) Occasionally (F) Frequently or (C) Constantly
Sedentary work that primarily involves sitting/standing.	O
Light work that includes moving objects up to 20 pounds.	F
Medium work that includes moving objects up to 50 pounds.	O
Heavy work that includes moving objects up to 100 pounds or more.	I

Travel required

Requires frequent travel within the District and occasional travel for meetings or trainings.

Preferred education and experience

Air Monitoring Technician I:

Completion of two years of college with major course work in electronics, a Bachelor's degree in an environmental science or any combination of training and/or experience that could likely provide the desired knowledge and abilities.

Air Monitoring Technician II:

Completion of two years of college with major course work in electronics or a Bachelor's degree in an environmental science and two years' experience as an Air Monitoring Technician I in air quality monitoring field work or any combination of training and/or experience that could likely provide the desired knowledge and abilities.

Additional requirements

- Must have (or obtain within 90 days of start) California Driver's License Class C or higher.
- Must have (or obtain within 1 year of start) medical certification for respirator use.

Affirmative Action/EEO statement

It is the policy of Great Basin Unified Air Pollution Control District to provide equal employment opportunities without regard to race, color, religion, sex, national origin, age, disability, marital status, veteran status, sexual orientation, genetic information, or any other protected characteristic under applicable law.

Other duties

Please note this job description is not designed to cover or contain a comprehensive listing of activities, duties or responsibilities that are required of the employee for this job and is not restrictive to required duties. Other duties, responsibilities, and activities may change or be required at any time with or without notice.