

GREAT BASIN UNIFIED AIR POLLUTION CONTROL DISTRICT

Air Monitoring Technical Specialist

Summary

Under general direction, oversees operation of the Owens Lake air monitoring network from site location, to design, permitting, installation and operation. Supervision of Air Monitoring Technician I and II personnel to assure meeting required data capture within requirements set by the EPA, State and District. Completes, assists, reviews, tracks and directs all aspects of air monitoring from field to final report presentation. Works directly with District management and other agency representatives to facilitate a smooth implementation of all air monitoring completed on and around Owens Lake.

Primary Duties

(The following is used as a partial description and is not restrictive to duties required.)

Assists the Director of Technical Services in the oversight of the Owens Lake air monitoring program by tracking permits with private and government land owners, design and oversight of site construction, procurement of materials and equipment, operational debugging, technician training and periodic review and assistance to the site operators. Communicates monthly with the Bishop office to assure air monitoring filters, data and forms are received in a timely manner. The position provides assistance to air monitoring staff through direct completion of the work, follow-up staff training and procurement of supplies to reduce downtime. Responsibility requires reporting directly to the Director of Technical Services the status of material and human resources along with recommendations to alleviate any equipment failure or procedural issues requiring change.

Along with the Director of Technical Services acts as District observer on Owens Lake projects completed by LADWP and their contractors assuring compliance with standard monitoring protocols. Aides in the organization, completion, analysis and presentation of special projects; writes descriptive portions of technical reports; using computer software such as Microsoft Office, Adobe Illustrator and Photoshop to prepare graphics for presentations. Sits in meetings as requested to provide guidance in the development and operational procedures for air monitoring projects.

Marginal Duties

Operates or assists in the operation and maintenance of air monitoring stations on and around Owens Lake. Repairs and services air monitoring equipment. Assists in design and operation of special Owens Lake projects as requested. Completes and maps dust source plume observations during dust storms from a designated observation point.

Employment Specifications

Knowledge of:

Operation, maintenance and advanced repair of air monitor samplers, especially particulate PM-10 and PM-2.5 samplers. A well developed knowledge of the use of computers for word

processing, spreadsheet, and data collection and analysis software. The ability to effectively communicate information through employee supervision to achieve completion of assignments without missing management deadlines.

Ability to:

Organize, schedule and implement all aspects of the installation of an air monitoring station with little or no supervision. Train and supervise air monitoring technicians in the operation and maintenance of air monitoring samplers. Troubleshoot and repair all components of an air sampler without supervision and through clear communication with the sampler manufacturer. Establish and maintain an effective working relationship with staff, vendors and contractors.

Education and Experience:

Completion of a Bachelor's degree from an accredited college or university in a physical science, engineering or environmental field of interest and five years experience in a scientific position; or completion of eight or more years in the air monitoring field achieving at least two years at the Technical Air Monitoring II level position or any combination of education and experience that provides the required knowledge, skills and abilities. Previous supervisory experience is desirable.

Special Requirements:

A valid California driver's license is required for operation of District vehicles. The person must be capable of wearing a full face respirator and working for short periods (5 to 30 minutes) within Owens lake dust plumes while traveling to a clear dust-free area.

Working Conditions

Exposure to extreme conditions such as: heat, cold, wind, dust, rain, snow, and mud on a frequent basis. The position may work longer hours during dust storms from sunrise to sunset on a frequent basis and works other occasional overtime. Use of a computer monitor and keyboard on a frequent basis is required. Operation of ATVs and 4x4 vehicles on a frequent basis will be required on Owens Lake.