

CLASSIFICATION: Air Resources Engineer	Time Base: FT	SALARY: \$4,608-\$8,379	FFD: June 21, 2011 or Until Filled
LOCATION: Sacramento		DIVISION: PTSD	
CONTACT: Carolyn Schneider		E-MAIL: cschneid@arb.ca.gov	PHONE: (916) 322-7305
MAILING ADDRESS: Planning and Technical Support Division, Air Resources Board, 1001 "I" Street, 7 th Floor, Sacramento, CA 95814			

Due to the governor's Hiring Freeze Order, only internal Air Resources Board candidates will be considered.

DUTIES:

The Atmospheric Modeling and Support Section of the Planning and Technical Support Division has an open position for an Air Resources Engineer or Air Pollution Specialist who will be assigned a variety of the following types of responsibilities in the ARB's air quality modeling program, depending on the successful candidate's unique mix of qualifications and experience: 1) producing, generally assessing, and improving the emission inputs and supporting data used for air quality modeling; 2) assessing, testing, and improving emission models or emission model components; 3) conducting GIS-based analyses using emissions, meteorological, and air quality data; and 4) project coordination, reviewing contract deliverables, and managing contracts as well as summarizing and presenting project results or technical findings to all levels of management.

The section provides modeling-related technical support for statewide regulatory and policy programs and requires close interaction and teamwork with a broad range of internal and external scientists, engineers, and policymakers. The section is comprised of engineers and scientists who use state-of-science computer models, computer systems, and application/development software. The duties of the section broadly fall into the following areas: 1) the development and application of modeling systems, procedures, and guidelines to evaluate emission control plans; 2) the evaluation of advanced meteorological, emissions, and air quality models to assess the accuracy of model estimates; and 3) the design and management of modeling-related air quality field studies.

DESIRABLE QUALIFICATIONS:

Due to the needs of the section that are associated with this specific position, the minimum qualifications for this position are: 1) a strong science or engineering background; 2) very good communications skills (both verbal and written); and 3) a demonstrated ability to work with large datasets and learn complex systems similar to air quality or emissions models. Additionally, all candidates must be enthusiastic team players with strong interpersonal skills. Although it is not required, ideally, candidates will also possess some of the following knowledge, skills, or abilities: knowledge of atmospheric processes; knowledge of the emission and meteorological input needs of photochemical and/or aerosol models; hands-on experience producing inputs for air quality- or emissions models (e.g. prior professional or academic experience); experience with data analysis tools that can be used to quality assure very large datasets similar to air quality model inputs and outputs; experience with UNIX or Linux, including shell scripting; previous experience with FORTRAN programming; OR previous experience writing command line executable scripts with GIS software, Perl, Python, or R.

Applications will be screened and only the most competitive candidates will be interviewed. Qualified Air Pollution Specialists are encouraged to apply. Please include a copy of your degrees with your application and reference Position #673-745-3735-XXX.