



**ANNOUNCEMENT FOR OPEN TESTING
AIR POLLUTION RESEARCH SPECIALIST
SPOT- RICHMOND**

Final Filing Date: **SEPTEMBER 4, 2008**
Bulletin Release Date: August 21, 2008

IB50 - 3812 8H117



California State Government supports equal opportunity to all regardless of race, color, creed, national origin, ancestry, gender, marital status, disability, religious or political affiliation, age, or sexual orientation. It is an objective of the State of California to achieve a drug-free work place. Any applicant for state employment will be expected to behave in accordance with this objective because the use of illegal drugs is inconsistent with the law of the state, the rules governing civil service, and the special trust placed in public servants.

WHO SHOULD APPLY: Persons who meet the minimum qualifications (entrance requirements) as stated on this announcement may take this examination, which is competitive.

HOW TO APPLY: To learn more about the job and testing arrangements, contact the testing office shown below. Applications are available at <http://www.spb.ca.gov/jobs/stateapp.htm>. Applications may be filed in person or by mail with:

**DEPARTMENT OF PUBLIC HEALTH (916) 552-8350
SELECTION UNIT**
In Person: 1501 Capitol Avenue, Suite 1501
By Mail: MS 1700-1702
P.O. BOX 997378
Sacramento, CA 95899-7378

DO NOT SUBMIT APPLICATIONS TO THE STATE PERSONNEL BOARD

FINAL FILING DATE: Applications (Form STD. 678) must be submitted by **September 4, 2008**, the final filing date. Applications postmarked, personally delivered, or received via interoffice mail after the filing deadline will not be accepted.

SALARY RANGES: \$6787 -\$8249 per month. As of August 12, 2008

BENEFITS: Deferred Compensation Plans, Health, Dental and Vision Care Plans, Pre-retirement death benefits, 14 paid holidays, generous paid vacation/sick leave or annual leave, jury duty/military/bereavement leave, 75% Reimbursement of Van Pool or Public Transit Passes, \$65 per month maximum, pre-tax parking (where applicable), Dependent Care Program, Long Term Insurance, Home Loans, Legal Services, Employee Assistance Program, Bilingual Differential Pay (if appropriate), flexible work hours (management discretion). More detailed information of the benefits may be viewed on the Department of Personnel Administration's website at <http://www.dpa.ca.gov/home.htm>.

POSITION DESCRIPTION: Provides expertise on building science and ventilation, conducts research and technology development, and advises on public health policy relating to indoor pollution control. Collaborates and consults with researchers and staff within the Department and other State agencies, as well as University of California and federal agencies. Offer technical assistance to agency and public stakeholders. Writes peer-reviewed reports and articles for publication in professional journals, and develops web site content. Subject matter expertise includes: Building ventilation with regard to indoor air quality and energy (mechanical engineering); Exposure assessment related to health and productivity of building occupants, Environmental testing of chemical and physical contaminants; including materials emissions testing; and Building science, especially with regards to chemical spills and terrorism preparedness & response

The position exists with the Department of Public Health in Richmond only.

REQUIREMENTS FOR ADMITTANCE TO THE EXAMINATION: It is your responsibility to make sure you meet the education and/or experience requirements stated on this announcement by **September 4, 2008**, the final filing date. Your signature on your application indicates that you have read, understood, and possess the basic qualifications required.

NOTE: Applications/resumes **must** include "to" and "from" dates (month/day/year), time base, civil service class title(s), and range (if applicable) for all work experience. College course information **must** include title, semester or quarter units, name of institution, completion dates, and degree (if applicable).

Applications/resumes received without this information will be rejected.

MINIMUM QUALIFICATIONS: Four years of varied and responsible research and development experience in the engineering, or the physical, biological or environmental sciences, at least one year of which must have included responsibility for research consultation and determination of research design and methods for studies in **indoor** air

pollution or a closely related field. (Full-time graduate work in engineering, mathematics or the physical, biological or environmental sciences may be substituted on a year-for-year basis for one year of the required non specialized experience. Possession of a doctorate degree in air pollution control, mathematics, chemistry, engineering, or any physical, biological, or environmental sciences may be substituted for three years of non specialized experience; possession of a master's degree in the same fields may be substituted for two years of non specialized experience.)
AND

EDUCATION: Equivalent to graduation from college with major work in engineering, mathematics, or the physical, biological, or environmental sciences or a related field. (Additional qualifying experience may be substituted for the required education on a year- for-year basis.)

GENERAL QUALIFICATIONS: In addition to the scope defined on this announcement, candidates must possess essential personal qualifications including integrity, initiative, dependability, good judgment, ability to work cooperatively with others, and a state of health consistent with the ability to perform the assigned duties of the class. A medical examination may be required.

EXAMINATION INFORMATION: This examination utilizes an evaluation of education and experience (E&E) weighted 100%, and is based solely upon information provided with the application. Information provided with the application will be assessed compared to a standard developed in relation to the elements of the job and linked to the knowledge and abilities required on the job.

Special care should be taken to submitting a complete description of your education and experience relevant to the typical tasks, scope, and minimum qualifications stated on this announcement. Supplemental information will be accepted but competitors should read the announcement carefully to determine what kind of information will be useful to those individuals completing the evaluation.

The Department of Public Health reserves the right to revise the examination plan to better meet the needs of the service if the circumstances under which this examination was planned change. Such revision will be in accordance with civil service law and rules and all competitors will be notified.

SCOPE: Ratings will be determined based on the depth and breadth of professional education and experience beyond what is minimally required. Emphasis will be placed on measuring:

Knowledge of:

1. Complex statistical methods and their fundamental bases.
2. Mathematics.
3. Computer programming and application thereof.
4. Atmospheric chemistry.
5. Physical meteorology.
6. Research techniques, including the planning of studies and investigations.
7. Determining of variables and developing of reference materials.
8. Research reporting techniques.
9. Purposes and practices of air quality standards for Federal, State and local agencies engaged in air pollution research.
10. Techniques and procedures for evaluation of research results.

Ability to:

1. Monitor and direct the work of researchers.
2. Reason logically and do independent and creative thinking on research problems in the fields of engineering and the biological, environmental and physical sciences.
3. Develop techniques for handling a large variety of detailed data and analyze these data.
4. Establish and maintain effective working relationships.
5. Speak and write effectively.
6. Analyze situations accurately and take effective action.
7. Communicate the results and implications of research studies to non-specialist.

ELIGIBLE LIST INFORMATION: A departmental open list will be established for use by the Department of Public Health. The list will expire 12 months after it is established unless the needs of the service and conditions of the list warrant a change in this period. All candidates meeting the requirements for admittance to the exam will be placed on the eligible list in one of three ranks.

NOTE: Transfer of list eligibility is not permitted from a list established by an E&E examination to a list established by any other type of examination.

Eligible Lists established by competitive examination, regardless of date, must be used in the following order: 1) sub-divisional promotional, 2) departmental promotional, 3) multi-departmental promotional, 4) service-wide promotional, 5) departmental open, and 6) open. When there are two lists of the same kind, the older must be used first.

VETERANS PREFERENCE: Veterans preference credits will not be granted in this examination since it does not qualify as an entrance examination.

TDD is Telecommunications Device for the Deaf and is reachable only from phones equipped with a TDD device.

The California Relay (Telephone) Service for the deaf or hearing impaired:

MCI from TDD: 1-800-735-2929 MCI from voice telephone: 1-800-735-2922

Sprint from TDD: 1-888-877-5378 Sprint from voice telephone: 1-888-877-5379