



ENVIRONMENTAL ENGINEER

FC: ENG 000006

PB: 05

FLSA: Exempt

PC: 724

BU: 92 (NR)

Created: April 11, 2007

*Class specifications are intended to present a descriptive list of the range of duties performed by employees in the class. Specifications are **not** intended to reflect all duties performed within the job.*

DEFINITION

Performs a variety of professional environmental engineering duties; provides design, oversight, and administration of various environmental engineering and compliance projects; evaluates and reviews environmental compliance; ensures work quality and adherence to specifications; and performs related duties as assigned.

CLASS CHARACTERISTICS

This position operates at the journey level within assigned area of responsibility; employees at this level receive only occasional instruction or assistance as new or unusual situations arise, and are fully aware of the operating procedures and policies of the work unit.

REPORTS TO

This position reports to Manager of Employee/Patron Safety.

EXAMPLES OF DUTIES – *Duties may include, but are not limited to, the following:*

1. Performs a variety of professional engineering duties related to compliance with the Clean Water Act (CWA), Clean Air Act (CAA), Toxic Substance Control Act (TSCA), Resource Conservation and Recovery Act (RCRA), and their State of California Equivalents.
2. Prepares engineering designs, specifications, costs and quantity estimates for environmental engineering and compliance projects; prepares and/or reviews the adequacy and accuracy of computations.
3. Assists in the establishment of schedules and methods for providing environmental compliance oversight services; responsible for the verification of quantities of materials and adherence to regulations; may recommend resources to be allocated.
4. Monitors work activities to ensure compliance with established policies and procedures; evaluates proposed changes to District operations.
5. Recommends approval of and submits contractor's progress payment applications; performs audits of contractor and suppliers to ensure adherence to established policies and procedures.

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6. Prepares a variety of reports and correspondence on environmental matters including inspection reports, environmental non-conformance reports, monthly and final completion reports, contract modifications negotiations, field and design engineering changes, and correspondence with outside agencies on fulfillment of requirements.
7. Discusses and coordinates environmental engineering project activities with affected District personnel.
8. Maintains awareness of progress on assigned environmental engineering projects to ensure compliance with designated time and cost schedules.
9. Collects samples of water, wastewater, hazardous waste, or other materials in accordance with wastewater and waste test methods.
10. Reviews construction design plans to evaluate potential environmental compliance problems; monitors construction project environmental compliance.
11. Conducts field inspections; ensures compliance with regulations.
12. Attends and participates in professional group meetings; stays abreast of new trends and innovations in the field of environmental engineering.
13. Supports the development and implementation of the District's Environmental Management Systems.

QUALIFICATIONS

Knowledge of:

Principles and practices of environmental engineering.
Operations, services and activities of an environmental compliance program.
Principles and practices of engineering cost estimating.
Methods and techniques of field measuring and testing.
Engineering contract administration principles and practices.
Materials and equipment methods utilized in engineering.
Terminology, methods, practices, and techniques used in related engineering report preparation.
Advanced mathematical principles.
Current office procedures, methods, and equipment including computers.
Specialized computer programs or systems utilized in construction engineering design including CADD.
Related building codes, regulations and provisions.
Related Federal, State and local laws, codes and regulations.

Skill in:

Applying principles and practices in environmental engineering in assigned projects.
Interpreting and explaining District policies and procedures.
Preparing clear and concise reports.
Interpreting and preparing revisions to engineering plans, drawings, and specifications.
Communicating clearly and concisely, both orally and in writing.

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Establishing and maintaining effective working relationships with those contacted in the course of work.

MINIMUM QUALIFICATIONS

Education:

A Bachelor's degree in engineering, chemistry, environmental management or a closely related field from an accredited college or university.

Experience:

Two (2) years of (full-time equivalent) verifiable environmental engineering project and/or environmental compliance experience.

Other Requirements:

Must possess a valid California driver's license and have a satisfactory driving record.
Physical condition necessary to conduct field inspections and testing as assigned.

Substitution:

Additional environmental engineering or environmental compliance experience as outlined above may be substituted for the above education on a year-for-year basis. A Bachelor's degree is preferred.

WORKING CONDITIONS

Environmental Conditions:

Office environment; exposure to computer screens; field environment; exposure to heat, cold, electrical energy, moving vehicle and inclement weather conditions.

Physical Conditions:

Requires maintaining physical condition necessary for walking, standing or sitting for prolonged periods of time; climbing up and down ladders, and lifting 50 pounds.

BART EEO-1 Job Group: 3000 - Engineers
Census Code: 1420 - Environmental Engineer
Safety Sensitive: N