

8229
ENGINEER CHIEF

Nature of Work

Under limited direction, performs professional engineering work at the administrative or supervisory level. Provides advice and expertise to management and the agency relative to a variety of engineering services, the adequate performance of which requires engineering education, training and experience in the application of special knowledge of the mathematical, physical, and engineering sciences to such services or creative work as consultation, investigation, evaluation, planning and design of engineering works and systems; planning the use of land and water; teaching of advanced engineering subjects, engineering surveys and studies; review of construction projects for the purpose of ensuring compliance with drawings and specifications any of which embraces such services or work, either public or private, in connection with any utilities, structures, buildings, machines, equipment, processes, work systems, projects and industrial or consumer products or equipment of a mechanical, electrical, hydraulic, pneumatic or thermal nature, insofar as they involve safeguarding life, health or property, and including such other professional services as may be necessary to the planning, progress, and completion of any engineering services. May be in charge of one or multiple units comprising a section of an agency.

Distinguishing Characteristics

This level provides input into and/or makes policy level decisions that require engineering expertise. These positions may be responsible for all engineering projects in a unit or multiple units within a section of an agency or be responsible for the integrity of all engineering projects for an agency. Performs predominantly administrative duties involving advising, budgeting, staffing, coordinating and reporting activities. Incumbents must be licensed as a Professional Engineer by the West Virginia State Board of Registration for Professional Engineers as prescribed by WV State Code (Chapter §30, Article 13).

Examples of Work

Directs the activities of one or more units of engineers and other staff; defines the mission and goals of each unit, assigns a budget, and evaluates the efficiency of the units by results achieved.

Represents the agency before various boards and other groups. Reviews data analyses to determine subordinates' (and others') accuracy in the performance of their work.

Attends meetings with agency management to establish policies and procedures, budget and staffing allotments, legislation, and other matters as they pertain to engineering issues.

Attends state and national meetings and seminars to gain and share engineering knowledge.

Coordinates complex construction projects.

Attends meetings or hearings to observe or attest to engineering issues.

May provide engineering oversight, without direct supervision, with regard to various units within an agency to ensure quality of engineering across the agency.

May review and/or approve subordinates' project analyses of plans and/or contracts for projects; recommends alternative construction methods; works closely with other agencies, departments, and/or units for which she/he has managerial responsibilities to ensure quality of work and adherence to government's standards and procedures.

May supervise multiple recognized organizational units of engineering staff and professional, technical, and support staff.

Knowledge, Skills and Abilities

Knowledge of agency policies and practices.

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ENGINEER CHIEF (cont'd)

Knowledge, Skills and Abilities (cont'd)

Knowledge of state and federal laws and regulations pertaining to agency jurisdiction.

Knowledge of governmental practices in the administration of a primary unit.

Knowledge of the fundamentals of various types of engineering.

Ability to direct the work of engineering staff.

Ability to apply engineering principles in solving engineering problems.

Ability to communicate effectively, both orally and in writing.

Minimum Qualifications

Training: Current license as a professional engineer with the West Virginia State Board of Registration for Professional Engineers.

Experience: Nine (9) years of full-time or equivalent part-time paid experience as a licensed professional engineer in a responsible capacity in charge of engineering projects.

For Reallocation or Promotional Purposes Only:

Training: Current license as a registered professional engineer with the West Virginia State Board of Registration for Professional Engineers.

Experience: Nine (9) years of full-time or equivalent part-time paid experience as a professional engineer.

Established: 03/20/2008

Revised: 05/16/2016; 02/16/2018

Effective: 02/16/2018