

STATE OF NEBRASKA
CLASS SPECIFICATION
EST: 09/78 - REV: 09/16

CLASS CODE: E55513
SALARY GRADE: 676
OVERTIME STATUS: E

ENVIRONMENTAL ENGINEER III

DESCRIPTION: Under limited supervision performs administrative and consultative professional services in a major functional area of environmental engineering; performs related work as required.

EXAMPLES OF WORK: (A position may not be assigned all the duties listed, nor do the listed examples include all the duties that may be assigned.)

Reviews complex facility plans, plans and specifications, construction, operational plans, operator training, and/or operation of water supply systems, swimming pools, sewage treatment plants, feed lots, landfills, and/or other equipment/facilities to determine compliance with State and federal laws and regulations.

Negotiates with consulting engineers regarding costs, basic design, and features of major engineering projects such as water supply systems and sewage treatment plants.

Conducts on-site inspection of assigned equipment and/or facilities to determine compliance of the systems with approved plans and specifications and with State and federal requirements.

Develops computer programs to create, maintain and access data bases and to model environmental conditions.

Compiles statistics, charts and tables of findings, interprets findings, and prepares reports or correspondence to present findings to agency staff, consulting engineers, and owners/operators of facilities.

Confers with and provides technical assistance to local boards of health, municipal officials, industrial officials, consulting engineers, and the general public to help alleviate environmental hazards and/or eliminate health hazards.

Develops, conducts, and administers training programs for water and sewage treatment plant operators or water supply system operators.

Coordinates a major function within the area of Environmental Engineering such as facility plans, construction, plan of operations, value engineering, industrial waste, data base management.

Presents talks to lay and professional groups to promote environmental health.

Attends meetings of associations and organizations on environmental/health issues as a representative of the agency.

FULL PERFORMANCE KNOWLEDGES, ABILITIES, AND SKILLS REQUIRED: (These may be acquired on the job and are needed to perform the work assigned.)

ENTRY KNOWLEDGES, ABILITIES, AND SKILLS REQUIRED: (Applicants will be screened for possession of these through written, oral, performance, and/or other evaluations.)

Knowledge of: the principles and practices of environmental engineering related to water works, water pollution, air pollution, solid waste disposal and related environmental engineering services.

Ability to: consult and communicate with others effectively, and to use sound judgment and action in solving environmental engineering problems with established guidelines; conduct training programs.

Skill in: performing analysis and determining treatment needed to ensure compliance with state and federal regulations.

JOB PREPARATION GUIDELINES: (Entry knowledge, abilities, and/or skills may be acquired through, BUT ARE NOT LIMITED TO, the following coursework/training and/or experience.)

Bachelor's degree in civil, mechanical, chemical or agricultural engineering plus four years experience in environmental engineering work; or Master's degree in sanitary engineering, plus three years experience in environmental related engineering work. Must possess registration as a professional engineer in Nebraska.