

Professional Environmental Engineer

Job Code	Job Title	Pay Grade
8363B1	Professional Environmental Engineer I	34
8364B1	Professional Environmental Engineer II	35
8365B1	Professional Environmental Engineer III	37

CONCEPT:

This is professional and supervisory work in a field of environmental engineering.

TASKS:

PEE I

- Supervises and participates in reviewing and approving plans specifications for the construction or modification of devices, facilities and systems related to sewage treatment, industrial waste water treatment, agricultural waste water management, hazardous waste management, municipal solid waste management or air pollution control.
- Supervises and participates in issuing waste water discharge permits to municipalities, industries and agricultural operations, monitoring the quality of effluent as stipulated by permits, enforcing such permits and providing remediation activities.
- Supervises and participates in preparing and updating statewide water quality management plans used to determine future municipal, industrial and agricultural waste water treatment needs and costs; establishes priorities for use of federal construction funds or state revolving loan funds; projects future water quality levels within major river basins; and develops statewide control plans for miscellaneous pollution sources such as agricultural, construction and urban storm water runoff, mine drainage, and mineral inflow of natural origin.
- Supervises and participates in the continual monitoring of surface and groundwater quality throughout the state; preparing the annual state water quality inventory; and investigating and sampling special water pollution problems.
- Supervises and participates in maintaining emissions inventories and developing dispersion models throughout the state in order to evaluate the potential effects of new air pollution sources on the state's air quality, pursuant to approving their construction.
- Supervises and participates in developing regional air pollution control plans used to identify and develop special control measures needed to assure maintenance of prescribed ambient air quality standards.
- Supervises and participates in installing and maintaining the operation of in-stack air pollution monitoring devices at major air pollution sources and conducting special emission monitoring studies to assure compliance with permit requirements.
- Acts as senior environmental engineer representative in a District Office. Supervises and conducts field inspections relating to operation of public water supply and waste water treatment facilities, industrial waste water facilities, and solid waste management operations. Investigates reports of illegal discharges, accidental spills and fish kills. Provides direct consultation to municipalities and industries concerning specific treatment and/or waste water management needs.

PEE II

- Provides expert technical advice and consultation to other environmental engineers and public and private officials regarding the evaluation of facilities and systems designed to solve atypical air and water pollution and supply and surface mining problems. Also provides remediation activities to help solve these problems.
- Provides expert technical advice and consultation to other environmental engineers regarding the interrelationships and aggregate effect of systems designed to treat drinking water or control air or water pollution.
- On a project basis, assembles, directs and coordinates the work of teams of environmental engineers in order to evaluate air pollution and water pollution control systems at complex industrial plants which may release particularly hazardous effluents.
- Confers with consulting engineers relative to the design of the most complex air purification and waste water treatment facilities and systems.

- Researches technical literature in order to maintain state-of-the-art knowledge of water supply, air pollution control, water pollution control, solid or hazardous waste management; represents the department, division or bureau at professional conferences and meetings.
- Coordinates assigned activities and professional guidance to meet established deadlines and priorities.

PEE III

- Plans, organizes and directs the statewide activities of an engineering section responsible for reviewing and approving plans, specifications and completed construction of facilities and systems; and administering a permit issuance and/or enforcement program related to waste water treatment, potable water treatment, air pollution control, solid or hazardous waste management or surface mining activities.
- Plans, organizes and directs the statewide activities of an engineering section responsible for monitoring and analyzing the current state of air quality, water quality or water supply systems and programs and planning for future needs.
- Explains and interprets various federal and state laws, regulations and standards relating to water pollution, air pollution, solid waste management or potable water.
- Coordinates assigned activities and functions with other environmental engineering sections, departmental divisions and state agencies.
- Represents the agency at meetings and conferences with the public and federal, state and local governmental agencies to provide information and resolve problems.
- Evaluates and recommends programs and budget requirements to execute assigned responsibilities.
- Proposes and develops rules, regulations, and amendments.

LEVELS OF WORK

- Class Group consists of three classes.

Professional Environmental Engineer I: Work involves supervising the statewide activities of an environmental engineering unit or serving as a district environmental engineer. Supervision is normally exercised over intern engineers, engineering project specialists, and/or technicians.

Minimum Requirement: Professional engineering license recognized by the Kansas Board of Technical Professions.

Professional Environmental Engineer II: This is advanced professional engineering work in environmental engineering. Work involves providing expert technical advice and consultation to other environmental engineers and public and private officials; and assembling, directing and coordinating the work of teams of engineers which evaluate plans and specifications for construction or modification and operating procedures for the most complex facilities and systems designed to control air pollution, water pollution and the release of hazardous wastes. While incumbents in this class are assigned to specific bureaus, project assignments frequently cross bureau jurisdictional boundaries. This level of work is more complex and the purpose and level of contacts is more significant at this level

Minimum Requirement: Professional engineering license recognized by the Kansas Board of Technical Professions and two years of experience in professional environmental engineering.

Professional Environmental Engineer III: This is advanced professional and administrative engineering work in environmental engineering. Work involves directing a major section of a statewide environmental engineering bureau and developing and implementing technical policies and procedures and coordinating several program activities toward accomplishing assigned objectives. Supervision is exercised over a professional and technical staff.

Minimum Requirements: Professional engineering license recognized by the Kansas Board of Technical Professions and three years of experience in professional environmental engineering, including one year of supervisory experience.