



ENGINEER II, ENVIRONMENTAL

Characteristics of Work:

This is complex, professional and technical environmental engineering work involving the implementation of federal, regional and statewide programs for the control of drinking water, air and water pollution, or other environmental activities. The work affords considerable opportunity for the use of independent judgement in planning work details and making technical decisions within the scope of policies, standards and specifications established by the administrative head of the division or department and by the Federal Government. The work involves contact with federal, state, county and municipal officials, consulting engineers, industrial officials, developers, water and sanitary system operators, and the general public. The work is performed with only limited supervision.

Minimum Qualifications:

These minimum qualifications have been agreed upon by Subject Matter Experts (SMEs) in this job class and are based upon a job analysis and the essential functions. However, if a candidate believes he/she is qualified for the job although he/she does not have the minimum qualifications set forth below, he/she may request special consideration through substitution of related education and experience, demonstrating the ability to perform the essential functions of the position. Any request to substitute related education or experience for minimum qualifications must be addressed to the State Personnel Board in writing, identifying the related education and experience which demonstrates the candidate's ability to perform all essential functions of the position.

EXPERIENCE/EDUCATIONAL REQUIREMENTS

Certification:

Possession of a valid certificate of registration as a Professional Engineer from the Mississippi State Board of Registration for Professional Engineers and Land Surveyors is required.

AND

Experience:

One (1) year of experience in engineering as a registered Professional Engineer.

Special Requirement:

Incumbent must possess a valid Driver's License from Mississippi or a contiguous state.

Required Document:

Applicant must attach a valid copy of his/her certificate of registration as a Professional Engineer from the Mississippi State Board of Registration for Professional Engineers and Land Surveyors.

PHYSICAL REQUIREMENTS

These physical requirements are not exhaustive, and additional job related physical requirements may be added to these by individual agencies on an as needed basis. Corrective devices may be used to meet physical requirements. These are typical requirements; however, reasonable accommodations may be possible.

Light Work: May frequently walk or stand and/or frequently exert force equivalent to lifting up to approximately 10 pounds and/or occasionally exert force equivalent to lifting up to approximately 20 pounds.

Vision: Requires the ability to perceive the nature of objects by the eye.

Near Acuity: Clarity of vision at 20 inches or less.

Midrange: Clarity of vision at distances of more than 20 inches and less than 20 feet.

Far Acuity: Clarity of vision at 20 feet or more.

Field of Vision: Ability to observe an area that can be seen up and down, left and right while eyes are fixed on a given point.

Depth Perception: Three-dimensional vision, ability to judge distances and spatial relationships so as to see objects where and as they actually are.

Ability to adjust focus: Ability to adjust the eye to bring an object into sharp focus.

Speaking/Hearing:

Ability to give and receive information through speaking and listening skills.

Taste/Smell:

Ability to use the sense of smell to recognize and distinguish odors. Ability to use the sense of taste to recognize and distinguish flavors.

Motor Coordination: While performing the duties of this job, the incumbent is regularly required to stand and to use hands finger, handle, or feel objects, tools, or controls. The incumbent is regularly required to walk; sit; and reach with hands and arms. The incumbent is occasionally required to climb or balance and stoop, kneel, crouch, or bend.

Competencies: The following competencies describe the knowledge, skills, abilities, and attributes that lead to a successful employee in this position. An applicant will be expected to exhibit these competencies or the ability to reach competency achievement within a specified time. These competencies are linked to the essential functions of the job. Employees in this position may be evaluated on these competencies as part of the performance appraisal system. Example behaviors are listed for illustrative purposes only. Specific behaviors may be identified and included later by the hiring agency. It is understood that some of these behaviors might not be acquired until a reasonable time after hire. Failure of an employee to successfully demonstrate some or all of these competencies, as deemed important by his or her reporting official, may result in the employee being placed on a performance improvement plan. If after a reasonable period of time, usually three (3) months, the employee fails to demonstrate successful performance, the employee may be terminated. These competencies include, but are not limited to, the following:

PUBLIC SECTOR COMPETENCIES

Integrity and Honesty: Models and demonstrates high standards of integrity, trust, openness and respect for others. Demonstrates a sense of responsibility and commitment to the public trust through

statements and actions. Demonstrates integrity by honoring commitments and promises. Demonstrates integrity by maintaining necessary confidentiality.

Work Ethic: Conscientiously abides by the rules, regulations and procedures governing work. Exhibits a strong work ethic by being productive, diligent, conscientious, timely, and loyal.

Service Orientation: Seeks to understand and meets and/or exceeds the needs and expectations of customers. Treats customers with respect, responding to requests in a professional manner, even in difficult circumstances. Provides accurate and timely service. Develops positive relationships with customers. Demonstrates a commitment to quality public service through statements and actions.

Accountability: Is productive and carries fair share of the workload. Accepts responsibility for actions and results. Focuses on quality and expends the necessary time and effort to achieve goals. Demonstrates loyalty to the job and the agency and is a good steward of state assets. Steadfastly persists in overcoming obstacles and pushes self for results. Maintains necessary attention to detail to achieve high level performance. Deals effectively with pressure and recovers quickly from setbacks. Takes ownership of tasks, performance standards and mistakes. Has knowledge of how to perform one's job. Knows the organization's mission and functions and how it fits into state government.

Self Management Skills: Encourages and facilitates cooperation, pride, trust, and group identity; fosters commitment and team spirit; works effectively and cooperatively with others to achieve goals. Maintains a positive attitude. Effectively manages emotions and impulses. Treats all people with respect, courtesy, and consideration. Communicates effectively. Remains open to new ideas and approaches. Avoids conflicts of interest. Promotes cooperation and teamwork. Copes effectively with change. Allows self and others to make mistakes and learns from those mistakes.

Interpersonal Skills: Shows understanding, courtesy, tact, empathy and concern; develops and maintains relationships. Demonstrates cross cultural sensitivity and understanding. Identifies and seeks to solve problems and prevent or resolve conflict situations. Encourages others through positive reinforcement. Models appropriate behavior.

Communication Skills: Receives, attends to, interprets, and responds to verbal messages and other cues such as body language in ways that are appropriate to listeners and situations. Expresses information to individuals or groups effectively, taking into account the audience and nature of the information; listens to others, attends to nonverbal cues, and responds appropriately. May make oral presentations. Communicates ideas, suggestions and concerns as well as outcomes and progress throughout the process of an activity. Provides thorough and accurate information.

Self-Development: Seeks efficient learning techniques to acquire and apply new knowledge and skills; uses training, feedback, or other opportunities for self-learning and development. Develops and enhances skills to adapt to changing organizational needs. Remains open to change and new information and ideas; adapts behavior or work methods in response to new information, changing conditions, or unexpected obstacles.

MANAGEMENT COMPETENCIES

Emotional Maturity: Conducts oneself in a professional, consistent manner when representing the organization. Exhibits the ability to work through challenges and creates opportunities. Has the ability to work through adversity and hold self and others accountable for work actions. Takes risks appropriate to ones level of responsibility. Acts as a settling influence in a crisis.

Macro Oriented: Understands and appropriately applies procedures, requirements, and regulations related to specialized areas of expertise. Understands effects of decisions on the organization and on other organizations. Exercises good judgment, makes sound, well-informed decisions. Acts as a change agent by initiating and supporting change within the agency.

Working Through Others: Shows a willingness to get work done through others, supports, and motivates staff. Reinforces team efforts and positive behaviors. Provides feedback.

Results Oriented: Identifies, analyzes, and solves problems. Plans effectively to achieve or exceed goals, sets and meets deadlines. Develops standards of performance and knows what and how to measure.

Resource Management: Demonstrates ability to plan, prioritize, and organize.

TECHNICAL COMPETENCIES

Technical Proficiency: The ability and willingness to become competent in the technical areas needed to do a specific job.

Reads, comprehends, evaluates, interprets, and implements federal, state, and local laws, policies, mandates, and regulations relating to professional and technical environmental engineering work. Reads, evaluates, develops, and interprets technical documents and design drawings. Exhibits an understanding of, compliance with, and implementation of safety rules and regulations. Exhibits the ability to identify alternatives and make technical decisions. If the situation requires, makes the best decision based on incomplete and conflicting information. Effectively utilizes enterprise-wide data and technical software needed to perform specific duties. Recognizes the need for continued professional and technical development. Demonstrates proficiency in applicable technical areas based on the application of acquired technical knowledge. Effectively participates in training and continuing education.

Problem Solving and Decision Making: The ability and willingness to work with people and to solve problems in order to effectively and efficiently complete assigned tasks.

Demonstrates the ability to anticipate potential—and identify existing—problems. Uses problem-solving tools to navigate to a practical solution. Analyzes the effects of decisions on stakeholders. Studies and evaluates problems/concerns; researches solutions; uses creative thinking, sound judgment, good decision-making skills, and current information to provide both oral and written solutions to problems, stakeholder inquiries, and policy changes. Negotiates when necessary to resolve problems. Seeks to identify and resolve conflict situations, and effectively deals with difficult issues and people. Exhibits the ability to handle multiple issues and projects concurrently.

Stakeholder Relations: The ability and willingness to interact and communicate effectively with stakeholders.

Represents and supports the agency positively (including mission, values, and goals). Demonstrates a functional understanding of the various organizational units within the agency and their relationships with each other. Provides proactive information to stakeholders to keep them informed of current and potential environmental situations. Demonstrates the ability to communicate complex technical ideas coherently and effectively, both in writing and orally, to technical and non-technical stakeholders. Recognizes, respects, and is sensitive to various stakeholders' perspectives. Recognizes sensitive information and keeps it confidential, consistent with the law.

Planning: Willingness and ability to become competent to contribute to the implementation of the mission of the agency.

Effectively participates in the development of plans, programs, policies, and procedures to meet the goals of the agency. Exhibits an understanding of the agency's mission, values, goals, policies, and financial capabilities. Effectively utilizes tools such as risk assessment, cost-benefit analysis, socioeconomic impact analysis, etc. in the decision-making and planning processes.

Essential Functions: Additional essential functions may be identified and included by the hiring agency. The essential functions include, but are not limited to, the following:

1. Ensures/monitors compliance with established policies and standards.
2. Processes permits.
3. Provides technical assistance and programs.
4. Prepares various reports.

Examples of Work:

Examples of work performed in this classification include, but are not limited to, the following:

Conducts on-site inspections of environmentally related sites and facilities such as water systems, pollution abatement facilities, waste management sites, construction activities, discharge points, complaint sites and sampling points.

Reviews for approval plans and specifications submitted for construction of new and changed pollution control systems.

Conducts field tests to assure proper operation of air, waste, and wastewater treatment systems.

Reviews engineering reports, performance data, and analyzes records.

Processes the issuance of environmental permits.

Provides technical assistance to the Commission on environmental quality, government officials, industrial officials, consulting engineers, developers and system operators on environmental activities.

Participates in environmental training programs and in public meetings and seminars.

Answers questions concerning environmental standards and regulations.

Prepares work progress reports to document program or project status.

Performs related or similar duties as required or assigned.

Interview Requirements

Any candidate who is called to an agency for an interview must notify the interviewing agency in writing of any reasonable accommodation needed prior to the date of the interview.