



**WATER RESOURCE ENGINEER**

Individuals assigned to positions in this series are responsible for technical planning, design, and supervision of hydraulic engineering projects for the control and use of water resources. Duties include conducting and directing studies concerning water needs and problems; performing and directing design work on water resource projects; evaluating water resource project proposals to ensure proper design prior to the issuance of permits. Inspects and supervises the construction of water resource projects. Investigates and analyzes statewide water resource availability and use. Prepares and presents engineering reports on water resources. Provides assistance to local groups related to the development and use of water resources. Maintains effective communications with other agencies, political subdivisions, and the public. Performs other related engineering duties as assigned.

The levels in this series are based on responsibilities assigned to the positions. The actual level is determined by analysis and evaluation of responsibilities as reflected in provided documentation. Only those elements that distinguish levels of increased complexity, accountability, and/or knowledge, skill, or ability requirements will be considered in assigning grade levels. No specific task or combination of tasks should be construed to mean any one of the specific levels.

**MINIMUM QUALIFICATIONS FOR ENTRY TO SERIES:**

Requires a bachelor's degree in engineering.

**WATER RESOURCE ENGINEER I**

2050

GRADE J

Responsibilities associated with this class consist of duties that may vary depending on circumstances and are accomplished through the use of a variety of procedures, processes, or methods. Decisions involve analysis of the circumstances to determine tasks involved and selection of appropriate procedures, processes, or methods to accomplish the tasks. Guidelines are available within the work area but require some interpretation and/or adaptation for application to specific cases or problems associated with assigned duties. Responsibility for managing the work of others may be required, however, is limited in scope or duration. Duties will be planned and accomplished under general guidance and direction and require coordination, policy interpretation, and individual initiative to resolve problems or conflicts that may arise. Some indirect impact on decisions affecting organizational goals and objectives exists as

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ND Class Specification  
Water Resource Engineer

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responsibilities include duties that produce an analysis, formal recommendation, or significant advice used by others in making decisions.

**DESIRABLE LEVEL OF KNOWLEDGE, SKILL, AND ABILITY:**

Knowledge of the principles, concepts, and methodology needed to perform and/or direct duties associated with water resource engineering. Requires knowledge, skill, and ability generally acquired and developed through formal education, extensive training, and relevant experience in work of an equivalent type and complexity. A moderately high degree of interpersonal skill is required to be able to communicate with and motivate others in the satisfactory performance of duties and responsibilities.

**WATER RESOURCE ENGINEER II**

2051

GRADE M

Responsibilities associated with this class consist of duties that may vary depending on circumstances and require some modification of procedures, processes, or methods to accomplish duties involved. Decisions involve analysis of the circumstances to determine tasks involved and appropriate modification to accomplish the tasks. Guidelines are available within the work area but require some interpretation and/or adaptation for application to specific cases or problems associated with assigned duties. Management responsibility includes directing the work of others involved in activities of the same or a similar nature and generally working toward a common goal. Duties will be planned and accomplished under general guidance and direction and require coordination, policy interpretation, and individual initiative to resolve problems or conflicts that may arise. A specific impact on decisions affecting organizational goals and objectives exists as responsibilities include duties that produce significant portions of decisions made in conjunction with others.

**DESIRABLE LEVEL OF KNOWLEDGE, SKILL, AND ABILITY:**

Knowledge of the principles, concepts, and methodology needed to perform and/or direct duties associated with water resources engineering. Requires knowledge, skill, and ability generally acquired and developed through formal education, extensive, training, and relevant experience in work of an equivalent type and complexity. A moderately high degree of interpersonal skill is required to be able to communicate with and motivate others in the satisfactory performance of duties and responsibilities.

**WATER RESOURCE ENGINEER III**  
GRADE N

2052

Responsibilities associated with this class consist of duties that will vary depending on circumstances and require substantial analysis in selecting the appropriate procedures, processes, or methods for accomplishing the work. Decisions require the application of learned concepts and/or theories to accomplish a broad range of activities. Guidelines are available within the work area but require some interpretation and/or adaptation for application to specific cases or problems associated with assigned duties. Management responsibility includes directing the work of others involved in activities of the same or a similar nature and generally working toward a common goal. Duties will be planned and accomplished under general guidance and direction and require coordination, policy interpretation, and individual initiative to resolve problems or conflicts that may arise. A specific impact on decisions affecting organizational goals and objectives exists as responsibilities include duties that produce significant portions of decisions made in conjunction with others.

**DESIRABLE LEVEL OF KNOWLEDGE, SKILL, AND ABILITY:**

Knowledge of the principles, concepts, and methodology needed to perform and/or direct duties associated with water resource engineering. Requires knowledge, skill, and ability generally acquired and developed through formal education, extensive training, and relevant experience in work of an equivalent type and complexity. A moderately high degree of interpersonal skill is required to be able to communicate with and motivate others in the satisfactory performance of duties and responsibilities.

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