

 STATE OF INDIANA CLASSIFICATION SPECIFICATION	Class Title: Hydraulic Engineer 2		Class Code: 001DD2
	FLSA Status: Exempt	Salary Schedule: RDS	Effective Date: 10-25-13
	Summary: Incumbent works at the journey level under a senior-level hydraulic engineer in a specific section of the Department of Natural Resources (DNR). Incumbent performs major technical functions to provide information and technical service in the area of hydraulic engineering and hydrology to other governmental units and the general public.		

Duties:

- Reviews and analyzes various technical data from assigned area, such as construction plans, past local hydraulic data and general hydraulic planning and field inspections;
- Compiles and analyzes various hydraulic data, such as U.S. Geological Survey data, historical flood data, etc.;
- Analyzes hydraulic problems relative to assigned area;
- Reviews construction and planning involving water resources often making technical recommendations to private and government enterprises and issuing permits if assigned;
- Makes recommendations to section head on objectives and solutions to assigned work and gives technical advice;
- Conduct field surveys to evaluate site conditions,
- Performs related duties as required.

Job Requirements:

- Specialized knowledge of hydrology, hydraulics and hydraulic engineering;
- Specialized knowledge of statistics as they apply to hydrology;
- General knowledge of laws and regulations relative to the area;
- Working knowledge of construction as it relates to hydrology and surveying;
- Ability to comprehend and complete hydraulic computations, reports and plans;
- Ability to give technical supervision to staff;
- Ability to maintain cooperative work relationships;
- Ability to communicate in oral and written form;
- Ability to obtain registration as a Professional Engineer.

Difficulty of Work:

Incumbent follows generally accepted technical guidelines of hydrology and hydraulic engineering and section objectives. Work is broad in scope and judgment is needed in applying guidelines to many extremely complex variables such as construction data and type of water resources, which are new in basic character or situation.

Responsibility:

Incumbent works independently making recommendations on project and problem solution and decisions in project approach in completing assigned objective. Unusual problems are referred to supervisors at the discretion of the incumbent.

Personal Work Relationships:

Incumbent is in contact with other staff members, other governmental agency staff and the general public in rendering technical service and maintaining coordination.

Working Conditions:

Incumbent spends a majority of time in an office environment with minimal physical exertion. Occasionally, incumbent must work outdoors (e.g. field inspections).