

HYDROGEOLOGIST

Job Code	Pay Grade
17472	CL22

Nature of Work

This is professional scientific work requiring a high level of experience and expertise in managing, coordinating, and performing complex hydrological, geotechnical, geological and hydro geological projects on behalf of the county's water, wastewater and solid waste operations. Employees in this class exercise a high degree of independent judgment and skill in the development, performance and evaluation of scientific analyses. Work requires a high level of expert knowledge which is evidenced by possession of Professional Geologist certification.

Minimum Qualification Requirements

- 4 year college or university with major course work in geology or environmental engineering or related field, and 5 years of professional level experience in geology and hydrogeology and certification as a Professional Geologist; or
- An equivalent combination of education, training and/or experience.

Appointing Authority May Also Require

- Florida Driver's License or Florida Commercial Driver's License and endorsement, if any.
- Assignment to work a variety of work schedules including compulsory work periods in special, emergency, and/or disaster situations.
- Other highly desirable knowledge, skills, abilities and credentials relevant to position.

Illustrative Tasks (These are examples and are not all inclusive.)

- Provides technical and advisory services by designing and coordinating hydro geological projects to address environmental, maintenance, and regulatory compliance issues at landfills and water and wastewater projects.
- Coordinates project activities of department with consultants, contractors, regulatory and other governmental organizations.
- Assigns duties and directions to maintenance, technical, and operations professional support staff on projects.
- Develops technical project specifications including figures, maps, drawings, bidding documents, and bid schedule and secures approval to advertise for proposals.
- Reviews bid proposals and recommends contract award.
- Conducts on-going field inspections to assure compliance with contract and established environmental regulations.
- Prepares, signs and seals final project report.
- Researches and responds to complaints from private citizens regarding possible well contamination or other problems.
- Develops and maintains computerized hydro geologic databases, analyzes data and compiles reports on various projects and permit compliance.
- Conducts independent studies and research on complex geological and hydro geological problems and prepares comprehensive environmental assessment reports.
- Makes presentations to various public and private organizations and consultants and coordinates with various local, state and federal regulatory agencies.
- Acts as a liaison with inter and intra county departments and state and federal agencies, and may appear as an expert witness in court cases.
- Reviews and determines proper interpretation of laws, rules and regulations affecting water, wastewater and solid waste operations.

HYDROGEOLOGIST (continued)

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Illustrative Tasks (continued)

- Researches and develops various reports and assists with administrative work including purchasing, inventory and budget.
- Performs related work as assigned or required.

Knowledge, Skills, and Abilities

- Knowledge of the principles, practices and methods of environmental management including considerable knowledge of geology and hydrogeology and possession of Professional Geologist certification.
- Knowledge of national, state and local environmentally related laws, ordinances, codes and regulations.
- Knowledge of advanced mathematics, natural, physical and biological sciences and computer technology.
- Knowledge of scientific research techniques including the use of automated systems for statistical analysis of research data.
- Ability to participate in complex studies, analyze information and formulate substantive recommendations based upon findings.
- Ability to plan and carry out detailed environmental hydro geological projects, ascertain environmental impact, and determine regulatory compliance.
- Ability to plan and execute environmental services related to surface water quality, ground water, hazardous or toxic materials management, and the well head protection ordinance.
- Ability to work outdoors in all weather conditions and to work long and irregular hours.

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Created	EEOC Code	Overtime Code
4/01	Professionals	Classified