

Title: Environmental Technician III
PG: 45
Status: Civil Service
Position Reports to: Designated Supervisor
Department: Public Works and Water Utilities

Job Class: 3115
Date: 09/08

GENERAL DESCRIPTION OF CLASS:

Public Works:

This is skilled and supervisory work in field operations associated with lakes management and environmental services. Work includes supervising field personnel in the operation of heavy equipment and instruments used for aquatic plant management and water quality sampling. Work also includes the mixing and application of aquatic herbicides. An employee in this position also performs and supervises manual tasks associated with lakes management and environmental programs.

Water Utilities:

Position involves skilled work in the area of environmental monitoring, collection of field data, environmental improvement and enhancement, as well as the recording and analysis of collected data. Work includes unsupervised and unaccompanied field work in and around aquatic environments. The position will also include the performance of manual tasks associated with the maintenance of the Wetlands Treatment System.

ESSENTIAL FUNCTIONS:

1. Performs supervisory and assistance duties associated with the monitoring and/or maintenance of aquatic resources and their watersheds.
2. Participates in and directs the transport and deployment of aquatic equipment, tools, and/or sampling instruments in accordance with state and federal permits specifications.
3. Conducts and oversees maintenance, repair, and calibration of equipment and instruments used in aquatic and watershed maintenance and/or scientific characterization.
4. Performs manual, mechanical, and chemical vegetation management programs to optimize aquatic resource goals of balanced safety, aesthetics, recreational, and fisheries/wildlife concerns.
5. Documents activities as required by environmental regulatory agencies.
6. Follows and enforces established safety, hazardous materials storage, and spill prevention and cleanup procedures for machinery fluids and pesticides.
7. Directs the activities of contractors conducting a variety of maintenance and construction projects in the absence of supervisor.
8. Assists maintenance crew with site maintenance and construction activities.
9. Marshals the resources needed to complete assigned tasks.
10. Conducts routine inspections of sites in area of responsibility, noting deficiencies, correcting them if appropriate, and reporting activities to the supervisor.

ADDITIONAL RESPONSIBILITIES:

1. Performs related duties as required.

KNOWLEDGE, SKILLS & ABILITIES:

Public Works:

1. Extensive knowledge of practices applied in the maintenance and operation of a wide variety of specialized equipment and instruments.
2. Knowledge of safety equipment and procedures used to mix and apply aquatic herbicides and pesticides.
3. Knowledge of the identification and systematics of aquatic plants.

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4. Skilled in the operation of equipment including but not limited to; airboat, slope mowers, and a variety of small watercraft.
5. Ability to train, organize and schedule assignments and tasks for field personnel.
6. Ability to understand and follow written and oral instructions.
7. Ability to establish and maintain effective working relationships with co-workers, other city employees and the general public.
8. Ability to operate watercraft and to work comfortably in an aquatic environment.
9. Ability to schedule, train and supervise personnel in the care, operation and maintenance of equipment and instruments.
10. Ability to trailer, launch and operate an aquatic plant harvester in accordance with state and federal permit specifications.

Water Utilities:

1. Knowledge of basic water sampling and laboratory techniques associated with the analysis of freshwater.
2. Knowledge of the principles of limnology.
3. Knowledge of the principles of plant physiology, taxonomy, and the use of dichotomous keys.
4. Knowledge of techniques and practices in the collection and documentation of field data related to the environmental sciences.
5. Ability to perform manual tasks involving physical strength and endurance under variable weather conditions, and be able to work comfortably in and around aquatic environments.
6. Skilled in microcomputer operation including data entry summarization and analysis using word processing and spreadsheet applications.
7. Ability to understand and carry-out oral and written instructions.
8. Skill in oral and written communication.
9. Ability to establish and maintain harmonious and effective working relationships with supervisors, co-workers, other City employees and the general public.

WORKING ENVIRONMENT/CONDITIONS:

Requires physically demanding work that involves walking, standing, stooping, much of it on uneven or broken ground. Handling of equipment and materials and exerting up to 40 pounds of force on a frequent basis.

The job risk exposure to significant environmental hazards include dangerous chemicals, gasses and wildlife. Exposure to industrial environment and heavy equipment is frequent. Routine outdoor exposure includes but is not limited to dust, pollen, sunlight, heat, humidity, rain, cold, plant resins, biting and stinging insects, etc.

The job requires normal visual acuity, and field of vision, hearing, speaking, color perception, sense of smell, depth perception, and texture perception.

QUALIFICATIONS (EDUCATION, TRAINING AND EXPERIENCE):

Construction & Maintenance and Lakes:

1. High School diploma or its equivalent, supplemented by college level course work in natural or environmental sciences.
2. Three (3) years of experience in lakes and aquatic plant management.
3. Must possess and maintain a Florida Commercial Applicator's Restricted Pesticide License - core and aquatic categories.
4. An equivalent combination of education and experience that is determined to be directly related to the foregoing specific requirements may be substituted.

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Water Utilities:

1. Two (2) years of college with major course work in environmental sciences, biology, ecology, chemistry or microbiology.
2. One (1) year of field experience in water quality sampling, biological work, ecological assessment, or an equivalent combination of laboratory work and field experience.
3. Experience and education related to wetland management or limnology is preferred.
4. Possess knowledge and experience related to word processing, spreadsheet, and database computer applications.
5. Experience that is determined by the City to be directly related to the foregoing specified requirements may be substituted.

SPECIAL REQUIREMENTS:

Public Works:

1. Must possess and maintain a valid state of Florida class "B" commercial driver's license.

Water Utilities:

1. Must possess and maintain a valid state of Florida driver's license and, within 3 months of hire date, obtain a valid State of Florida class "D" driver's license.
2. Must possess or obtain within 6 months of hire date, a Florida Department of Agriculture and Consumer Services Public Pesticide Applicator License, with Aquatic Pest Control and Right of Way endorsements.
3. Must possess or obtain within 2 years of hire date, a State of Florida Department of Environmental Protection Class C or higher Wastewater Treatment Plant Operator's license.
4. May be required to maintain a valid personal contact phone number.
5. May be required to work overtime, or alternate hours, as necessary for the efficient operation of the department. Position may be designated as Mission Critical by Department Director.