

Title: Environmental Technician I
PG: 36
Status: Civil Service
Position Reports to: Designated Supervisor
Department: Various

Class Code: 3113
Date: 09/08

GENERAL DESCRIPTION OF CLASS:

Provides skilled labor, equipment operation and some supervision to accomplish tasks centered around the environmental field maintenance aspect of the 1600 acre Wetland Treatment System grounds and associated facilities. Supervises and participates in the work of an assigned crew in grounds maintenance, aquatic plant management, light construction work, and water quality monitoring at City-owned Artificial Wetland Treatment System. Work is subject to frequent inspections by a supervisor to ensure proper performance.

ESSENTIAL FUNCTIONS:

1. Operate equipment such as trucks, tractors mowing equipment, front-end loaders, and backhoes in construction and maintenance activities.
2. Clean and make minor repairs to equipment; perform routine maintenance on grounds equipment.
3. Marshal equipment, materials, and resources for special projects from list approved by supervisor.
4. Fabricate specialty tools, devices and equipment as needed.
5. Train and supervise personnel in the care, operation, and maintenance of equipment and instruments.
6. Maintain, repair, and construct buildings and support facilities.
7. Mix and apply herbicides including proper storage and disposal.
8. Provide on-site direction to contractors performing large-scale maintenance work.
9. Inspect water conveyance structures and systems and affect minor earthwork and concrete repairs.
10. Mow and cut brush and trees with hand and power equipment.
11. Perform various safety inspections, as required.
12. Water quality sampling and equipment repair and maintenance as required.
13. Conduct the harvesting and installation of plants in aquatic environments.
14. Construct, install, and maintain water control structures; remove dead fish, trash, etc. from lakes, waterways and wetlands.
15. Build and maintain fences.
16. Performs aquatic and terrestrial vegetation management including, harvest, transport, and transplantation.

ADDITIONAL RESPONSIBILITIES:

1. Performs related work as required.

KNOWLEDGE, SKILLS & ABILITIES:

1. Knowledge of the tools and standard practices and safety precautions of labor operations.
2. Ability to understand and follow written and oral instructions.
3. Ability to prioritize, communicate and supervise the work of subordinate, unskilled or semi-skilled employees performing grounds maintenance and trade work tasks.
4. Ability to keep records, work from blueprints, shop drawings, and sketches.
5. Ability to understand and apply safe practices in the use of hand tools and power tools.
6. Knowledge of safety equipment and procedures used to mix and apply aquatic herbicides.
7. Ability to read and follow pesticide label instructions, permits, specifications, to understand and follow oral instructions.

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8. Ability to detect problems related to plant, and/or turf grass.
9. Ability to perform a variety of manual tasks and make minor repairs to broken equipment.
10. Ability to perform heavy manual labor for prolonged periods, often under adverse weather conditions.
11. Ability to operate water craft and to work comfortably in an aquatic environment.
12. General knowledge of the identification and systematics of aquatic plants.
13. Ability to set up and oversee shore conveyor, packer and dump trucks during harvesting operations.
14. Trade work and fabrication skills including but not limited to carpentry, metal working, household electrical, and masonry.

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):

1. High school diploma or it's equivalent.
2. Six (6) months of experience in aquatic plant or wetlands management.
3. An equivalent combination of education and experience that is determined to be directly related to the foregoing specific requirements may be substituted.

SPECIAL REQUIREMENTS:

1. Must possess and maintain a valid state of Florida Class B Commercial driver's license.
2. Must maintain a valid home telephone number.
3. Must be physically able to perform strenuous physical work for extended periods of time.
4. Must obtain Florida Commercial Pesticides Applicator's Certification (core and aquatic categories) within six (6) months of hire date and maintain certification throughout employment.
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.