

BIOSOLIDS OPERATOR

SUMMARY: Under limited supervision, performs a variety of duties to provide for the proper treatment of biosolids in accordance with federal, state, and local standards; and performs related duties as assigned.

ESSENTIAL FUNCTIONS: *(Essential functions, as defined under the Americans with Disabilities Act, may include the following tasks, knowledge skills, and other characteristics. This list is ILLUSTRATIVE ONLY, and is not a comprehensive listing of all functions and tasks performed by incumbents of this class.)*

DUTIES AND RESPONSIBILITIES: *(Which are **not** in any hierarchical order)*

1. Responsible for the daily operation, and scheduling of maintenance activities required to properly operate the biosolids facility.
2. Works with others to ensure safe and efficient operation and maintenance of a wide variety of equipment including separator screens, belt and screw conveyors, centrifuges, natural gas fire burners, pumps, belt filter presses, natural gas system, digester equipment, and a variety of analytical sampling devices.
3. Reads and records mechanical and electrical meters.
4. Reads and understand mechanical, electrical flow charts, and SCADA system.
5. Retrieves and processes various sludge samples.
6. Maintains and documents daily, weekly, monthly, semi-annual, and annual schedules of equipment preventative, predictive and corrective maintenance activities.
7. Monitors electrical equipment, including motors, generators, transformers, panel boards, electronic devices, and burner controls.
8. Monitors chemical feed lines, polymer equipment, sludge lines, and utility gas lines.
9. Maintains database specifically designed to track biosolids distribution and silo storage levels.
10. Maintain clear, concise, and thorough daily logbook and operational data sheet entries.
11. Reads mechanical and electronic meters and logs the recording.
12. Performs general housekeeping duties such as painting, sweeping, mopping, cleaning equipment, dusting, and hosing.
13. Performs related duties as assigned.

KNOWLEDGE, SKILLS AND ABILITIES: *(Based on area of assignment)*

- Knowledge of methods and techniques used in the installation, operation, repair, and maintenance of a wide variety of mechanical and electro-mechanical equipment associated with biosolids management.
- Knowledge and ability to implement state and local regulations and codes associated with biosolids operations.
- Ability to perform inspections to determine operational conditions and work from sketches and simple blueprints.
- Ability to follow written and oral instructions.
- Skilled in the use of mechanic's tools and shop equipment.
- Ability to read meters and charts accurately, and maintain precise, concise records.
- Ability to work in adverse conditions.
- Ability to perform shift work as assigned.
- Knowledge of sampling procedures required.
- Ability to establish and maintain effective working relationships with those contacted in the course of work

PHYSICAL REQUIREMENTS AND WORK ENVIRONMENT: The essential functions of the job require; sitting approximately one (1) hour per day, standing approximately three (3) hours per day, and walking approximately four (4) hours per day. The job also requires frequent: bending/stooping, climbing, grasping and reaching, with occasional: pulling, pushing, lifting/carrying objects weighing up to 15 pounds, lifting/carrying objects weighing up to 44 pounds, and lifting/carrying objects weighing more than 45 pounds. On rare occasions the work requires: crawling, fine manipulations, kneeling and repetitive

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motion. The City of West Palm Beach promotes and maintains a drug/alcohol free work environment through the use of mandatory pre-employment and random drug testing for certain employees.

MINIMUM QUALIFICATIONS: High school diploma from an institution recognized by the Florida Department of Education, or GED, supplemented by courses in math and chemistry, preferred, and two (2) years' experience in processes associate with the proper operation of an advance Biosolids facility, or any equivalent combination of training and experience. State of Florida Wastewater Operator license "C" is required. A valid Florida driver's license is required.