

ENVIRONMENTAL TECHNICIAN

The following class specification is intended to represent only the key areas of responsibilities; specific position assignments will vary depending on the business needs of the department.

DEPARTMENT: Environmental Management

REPORTS TO: Environmental Program Manager

CLASS SUMMARY

Operates the Landfill's wastewater treatment plant to include analyzing water quality, maintaining the irrigation and treatment systems and equipment, and assisting with wetland projects.

DISTINGUISHING CHARACTERISTICS

The Environmental Technician is the second level of a three-level environmental program series. It is distinguished from the Environmental Program Assistant, which assists with the operation of the wastewater treatment plant. It is distinguished from the Environmental Specialist, who is responsible for overseeing projects and serving as lead to staff.

TYPICAL CLASS ESSENTIAL DUTIES

- Operates the Landfill wastewater treatment plant, which includes sample collecting, reporting, maintenance and site-specific testing.
- Analyzes water quality to include preparing and calibrating equipment, sampling water according to state guidelines, and performing chemical analyses. Screens in-coming waste for presence of hazardous waste/materials. Calibrates instruments, sample and report landfill gas.
- Operates and maintains spray irrigation system and landfill leachate treatment system. Maintains equipment by conducting periodic inspections and making necessary adjustments and repairs.
- Assists with the constructed wetland projects, which includes calculating flows and adjustments, assigning duties to interns, and coordinating grants.
- Prepares monthly and annual reports with state and federal agencies to includes computing necessary data; completing appropriate forms; corresponding with agencies regarding irregularities; and making necessary adjustments.
- Conducts studies of various wastewater treatment parameters.
- Performs other duties of a similar nature or level.
- Performs work during emergency/disaster situations.

POSITION SPECIFIC DUTIES

Does not apply.

KNOWLEDGE AND SKILLS

Knowledge of:

- State and federal water treatment guidelines;
- Basic mathematical and statistical concepts;
- Plumbing and pumping principles;
- Chemical analysis techniques;
- Basic chemistry principles;
- Techniques for analyzing water quality;
- Safe chemical application techniques;
- Water treatment equipment inspection and repair techniques.

ENVIRONMENTAL TECHNICIAN

Skill in:

- Using a computer and related software applications;
- Preparing written reports;
- Using hand and power tools;
- Performing chemical analyses;
- Calibrating water treatment equipment;
- Collecting water samples;
- Calculating ratios;
- Communication, interpersonal skills as applied to interaction with coworkers, supervisor, the general public, etc. sufficient to exchange or convey information and to receive work direction.

TRAINING AND EXPERIENCE

Bachelor's Degree in Environmental Science or related field; or an equivalent combination of education and experience sufficient to successfully perform the essential duties of the job such as those listed above.

LICENSING/CERTIFICATION

- NC Driver's License;
- Grade II Wastewater License within six months of employment.

PHYSICAL REQUIREMENTS/WORKING CONDITIONS

Typically requires climbing, stooping, kneeling, crouching, reaching, standing, walking, pushing, pulling, lifting, fingering, grasping, feeling, talking, hearing, seeing and repetitive motions.

Medium Work: Exerting up to 50 pounds of force occasionally, and/or up to 20 pounds of force frequently, and/or up to 10 pounds of force constantly to move objects.

May be subjected to moving mechanical parts, fumes, odors, dusts, gases, poor ventilation, and chemicals.

GENERAL INFORMATION

FLSA Status: Non-exempt

Class Spec Established/Revised: E10/99; R06/01; R01/03; R06/07