

**York Sewer District
Job Description
Plant Operator**

Nature of Work

Performs and/or supervises general plant operation and process monitoring as needed to maintain effective wastewater treatment. Performs solids thickening and dewatering, conducts sampling and laboratory procedures. YSD utilizes an activated sludge biological treatment process. Reports to the Chief Operator.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Monitors and makes adjustments as needed to the flow and treatment of wastewater and biosolids through all plant processes. Communicates all adjustment and observations verbally and in the shared Process Log.
- Operates the dewatering equipment and the associated polymer feed system to maximize solids concentration and minimize side stream loadings.
- Recognizes process and treatment problems including: biological treatment upset, equipment malfunction and other process difficulties and acts immediately to respond and/or notify a supervisor.
- Become proficient in SCADA (Supervisory Control and Data Acquisition) computer system and utilize it to monitor plant operations and make adjustments as needed.
- Is responsible to operate valves, slide gates, switches, programmable logic controllers, motor starters and other control devices necessary to keep the desired process tanks and equipment running as directed by the Chief Operator.
- Upon being trained and demonstrating capability, shall perform lab analysis of wastewater and biosolids samples.
- Assists the mechanics in repairs and maintenance tasks and projects as time allows and as directed by the Chief Operator.
- Serves on a rotating basis on the Authority's Safety Committee.
- Participates as requested in the planning, design, and implementation of plant improvements.
- Part of the on-call rotation.
- Performs all other duties as required to safely carry out the mission of the District as directed.

MINIMUM TRAINING AND EXPERIENCE REQUIRED TO PERFORM ESSENTIAL FUNCTIONS:

- Ability to learn basic computer software programs such as Microsoft Word and Microsoft Excel.
- Ability to perform manual labor including climbing ladders, safe lifting of at least 50 pounds.
- Ability to understand and follow simple oral and written instructions in English.
- Ability to work out of doors in Maine weather conditions regardless of season.
- Ability to diagnose basic common equipment problems.

- Works cooperatively with other employees, helps to train and orient new employees and reports observations of unusual plant function to the Chief Operator.

MINIMUM REQUIREMENTS:

- Must possess or acquire within 18 months of employment a grade 1 collection and grade 2 treatment certifications.
- Must possess a valid class C Maine driver's license in good standing.

TOOLS AND EQUIPMENT USED:

Motor vehicle, generators, computers, SCADA software, pumps, gauges, common hand and power tools, safety equipment, communications devices and a variety of lab equipment, equipment controls and instrumentation.

PHYSICAL DEMANDS:

The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. The employee must occasionally lift and/or move up to 35 pounds

WORK ENVIRONMENT:

The work environment characteristics described here are representative of those an employee encounters while performing the essential functions of this job.

While performing the duties of this job, the employee often work near moving mechanical parts and is occasionally exposed to wet and/or humid conditions and vibration. The employee occasionally works in high, precarious places and is occasionally exposed to fumes or airborne particles, toxic or caustic chemicals, and risk of electrical shock. The noise level in the work environment is occasionally loud in plant settings, and moderately quiet in office settings.

The duties listed above are intended only as illustrations of the various types of work that may be performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related or a logical assignment to the position.

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.