

Town of Northbridge

Wastewater Treatment Plant Operator

The Northbridge Department of Public Works is accepting applications for the position of Wastewater Treatment Plant Operator. The position is responsible for the operation and maintenance of a 2 MGD advanced treatment plant and is also responsible for maintenance and repair of the Town's collection system. Work hours are 7:00 AM to 3:00 PM, weekdays with scheduled weekend coverage and emergency response requirements. This position serves as a member of the Town's snow and ice control team.

The successful candidate will have two to three years of relevant experience in the wastewater field, a Grade 4 Massachusetts Municipal Wastewater Treatment Operator License and a Class B Massachusetts Commercial Driver's License. The successful candidate must possess or obtain within six months of employment a Class 2B or better Massachusetts Hoisting Machinery Operator License. The starting hourly rate is \$21.88.

Contact the Northbridge DPW Sewer Division by phone at 508-234-2154, or by mail at Northbridge DPW Sewer Division, Town Hall, 7 Main Street, Whitinsville, MA 01588 to receive an application and complete position description.

POSITION DESCRIPTION

Town of Northbridge

Job Path: Wastewater Treatment

03/06

The following description outlines the essential tasks performed by employees classified in the Wastewater Treatment job path. The duties contained herein are not intended to be all-inclusive, but rather are a general statement of responsibilities.

Laborer 1

Grade W-1

Essential Functions

All employees classified as Laborer perform routine laboring duties, alone or as part of a crew, such as: perform routine custodial functions on plant grounds including mowing grass, raking leaves and shoveling snow, cleaning buildings, buffing floors, and vacuuming. Rake out and dispose of debris; wash down all equipment; and assist in operating and maintaining wastewater treatment plant and collection system as directed.

Operate power tools, and light hydraulic and motorized equipment on a beginner to intermediate skill level; assist in installing, repairing and maintaining water and sewer pipes, mains, services and hydrants; and clean storm sewers, catch basins and pipes. Operate small and large dump trucks, snowblowers, and other equipment not classified as heavy equipment.

Provide on-call duties during snow emergencies, operating snow plowing and removal equipment; shovel snow and remove ice and snow from walks, steps and pavement; maintain work area and equipment in safe and operable condition, adhering to all applicable safety and health rules and regulations; provide assistance to contractors as directed; assist Highway Division and other Town departments as required; provide on-call emergency assistance; and perform other related duties as assigned.

Required Licenses:

Valid Massachusetts Drivers License. Commercial Drivers License must be obtained within first six months to one year of employment, unless waived by the Director of Public Works.

Required Experience:

Three to six months of relevant experience in custodial or maintenance work.

Required Knowledge/Skills:

Equivalent to completion of grade 10.

Physical and Environmental Standards:

Duties require frequent and extended periods of outside work, subject to all weather conditions and extremes; continuous walking, standing, climbing and frequent periods requiring sustained uncomfortable physical positions; regular and sustained periods of strenuous physical exertion, requiring the ability to lift, carry and position heavy objects utilizing proper body mechanics and techniques; operation of equipment which causes loud noise levels and high vibrations; may require the exercise of caution when operating heavy equipment or handling chemicals or other toxic materials; and the utilization of proper sanitary precautions when handling trash, garbage and other potential hazards.

Assistant Plant Operator

Grade W-3S

In addition to the basic Laborer duties, employees classified as Assistant Wastewater Treatment Plant Operator perform skilled technical work in the operation and maintenance of the municipal wastewater treatment plant and collection system required to protect the public health and the local environment.

Operate a variety of equipment such as pumps, generators, compressors, and other specialized equipment, such as vactor trucks, jet and rodding machines, associated with the operation and maintenance of the wastewater collection system.

Inspect sewer lines installed by private contractors for compliance with established requirements; investigate and repair reported line blockages, and determine the best method of corrective maintenance; and assist in the maintenance and repair of broken or defective piping and lines.

Operate and maintain the sequencing batch reactor wastewater treatment plant, pump stations and collection system; make daily inspection of plant equipment and machinery; perform necessary preventive maintenance on process equipment such as lubricating bearings, changing filters, adjusting belts and rotating machinery; make repairs as needed; and follow maintenance schedule for equipment and facilities.

Assist the Superintendent and other plant operations and maintenance staff in the implementation of process control changes for the efficient operation of an advanced wastewater treatment plant and its associated specialized equipment. A general knowledge of process parameters, biologically-based wastewater treatment principles, instrumentation and PLC-based control devices is required. Using computerized monitoring and control systems, monitors plant operations, identifies trends and problem areas and makes adjustments to operations with approval of the assistant chief plant operator or Superintendent.

Perform a variety of simple laboratory tests, such as pH, temperature, settleable and suspended solids and other parameters; perform other testing as directed; record accurate results:

Inspect and maintain grounds and facilities in connection with plant operations; skim ponds; manipulate infiltration basins; maintain buildings, roads, irrigation areas, effluent beds and sludge beds, and perform other related duties as assigned. Operate heavy equipment such as tractors, loaders, backhoes and excavators.

Participates in continuing education programs to maintain currency in the state-of-the-art as well as meet state licensing requirements.

Required Licenses:

Valid Massachusetts Commercial Drivers License, Class B or better; possess a Grade 3 Wastewater Treatment Plant Operator's license and obtain a Grade 4 license within the first six months to one year of employment in this position; Hoisting Machinery Operator's License, Class 1B and 2B may be required at the discretion of the Director of Public Works.

Required Experience:

Position requires one to two years of relevant experience in operation and maintenance of a municipal wastewater treatment plant and wastewater collection system.

Required Knowledge/Skills:

Position requires general knowledge equivalent to completion of four years of high school and specialized courses. Ability to read and analyze operating data produced by computerized control systems in the form of charts, graphs and spreadsheets is required.

Physical and Environmental Standards:

Same as Laborer 1.

Plant Operator

Grade W-4S

In addition to the Assistant Plant Operator duties, employees classified as Plant Operator perform skilled technical work in the operation and maintenance of the municipal wastewater treatment plant and collection system required to protect the public health and the local environment.

Operate a variety of equipment such as pumps, generators, compressors, and other specialized equipment, such as vactor trucks, jet and rodding machines, associated with the operation and maintenance of the wastewater collection system.

Inspect sewer lines installed by private contractors for compliance with established requirements; investigate and repair reported line blockages, and determine the best method of corrective maintenance; and assist in the maintenance and repair of broken or defective piping and lines.

Operate and maintain the wastewater treatment plant, pump stations and collection system; make daily inspection of plant equipment and machinery; perform necessary preventive maintenance on process equipment such as lubricating bearings, changing filters, adjusting belts and rotating machinery; make repairs as needed; and follow maintenance schedule for equipment and facilities. Perform troubleshooting of process control devices, make adjustments and repairs as needed.

Assist the Superintendent and other plant operations and maintenance staff in the implementation of process control changes for the efficient operation of an advanced wastewater treatment plant and its associated specialized equipment. A general knowledge of process parameters, biologically-based wastewater treatment principles, instrumentation and PLC-based control devices is required. Using computerized monitoring and control systems, monitors plant operations, identifies trends and problem areas and makes adjustments to operations with approval of senior plant operator or Superintendent.

Perform weekend standby duties including completing a variety of simple laboratory tests, such as pH, temperature, settleable and suspended solids and other parameters; perform other testing as directed; record accurate results.

Inspect and maintain grounds and facilities in connection with plant operations; skim ponds; manipulate infiltration basins; maintain buildings, roads, irrigation areas, effluent beds and sludge beds, and perform other related duties as assigned.

Required Licenses:

Valid Massachusetts Commercial Drivers License, Class B or better and Grade 4 Wastewater Treatment Plant Operator's license. Hoisting Engineer's License may be required at the discretion of the Director of Public Works.

Required Experience:

Position requires two to three years of relevant experience in operation and maintenance of a municipal wastewater treatment plant and wastewater collection system.

Required Knowledge/Skills:

Position requires general knowledge equivalent to completion of four years of high school and specialized courses. Ability to read and analyze operating data produced by computerized control systems in the form of charts, graphs and spreadsheets is required.

Physical and Environmental Standards:

Same as Laborer 1.

